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# Louisville Division of Fire 2013 Annual Report

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# Message from Chief Gregory W. Frederick

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I am pleased to deliver the 2013 Annual Report, a summary of accomplishments the Louisville Division of Fire has achieved over the past twelve months. Compiled in this report is an overview of the efforts and performances delivered by the dedicated women and men who make up the Division of Fire. Diligently, members of Suppression, Prevention, Administration, Investigation, Automotive Service, Training, and Support Services have met the challenges head-on with resilience and adaptability.

The Division of Fire has provided professional and efficient services to the Louisville community for over 150 years and is a reflection of Mayor Fischer's Citizens Bill of Rights to deliver prompt and effective services with courtesy and respect. Our mission is to educate the public in the prevention of fire hazards, stress the importance of preparedness in the event of an emergency, and a commitment to make Louisville a fire safe city.

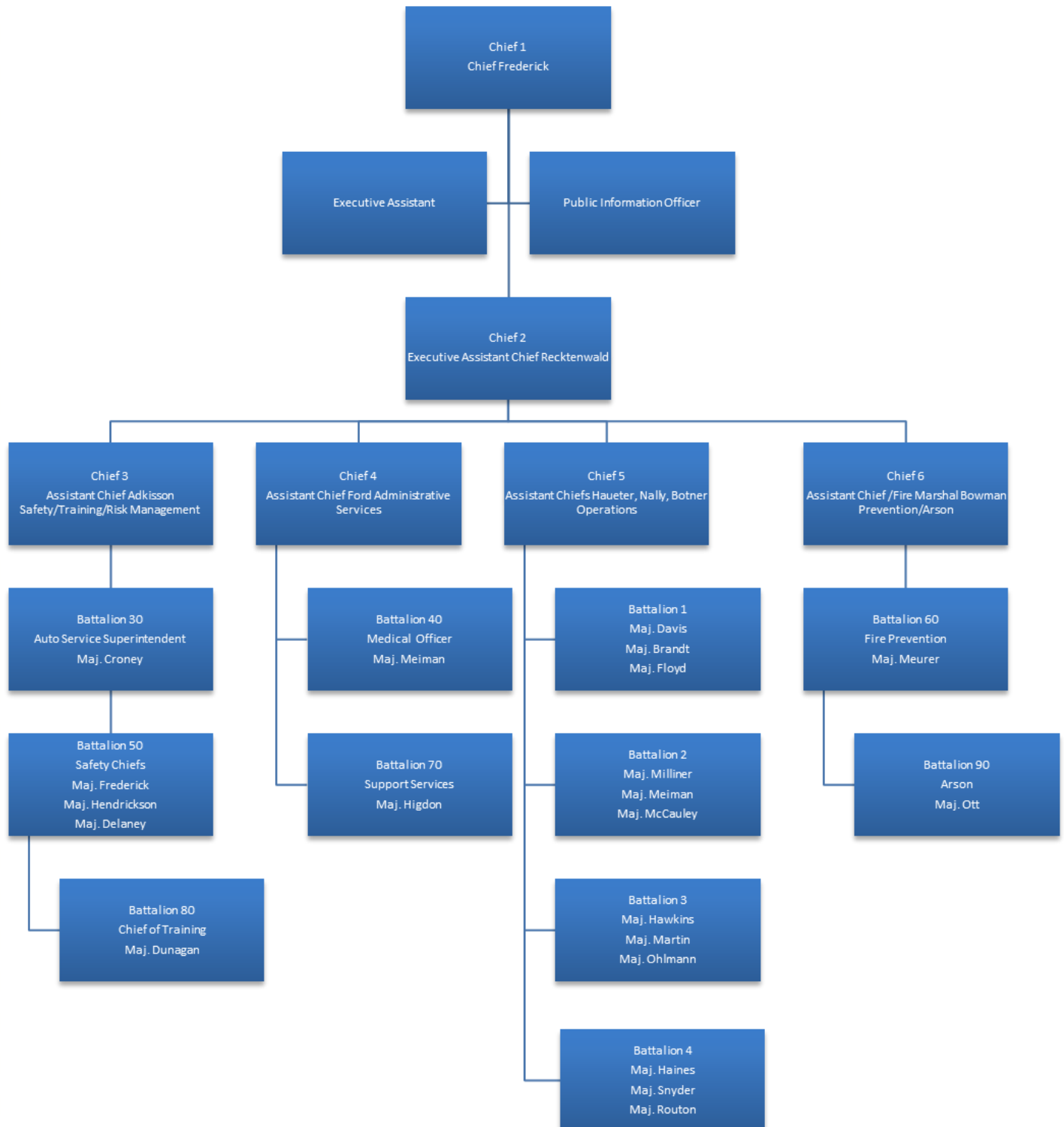
While response to fires, fire alarms, and emergency medical runs have remained constant for the past several years, there is an increasing need for our department to be trained and equipped to respond to specialized types of incidents, including water rescues, rope rescues, structural collapse rescues, confined space rescues, and hazardous materials incidents. Those non-traditional services are provided within the department by cross-trained firefighters at little or no additional cost. The Louisville Division of Fire has focused on overall preparedness for natural and man-made disasters, while still fulfilling our mission in our routine duties.

In conclusion, I want to express my gratitude to Mayor Greg Fischer, The Louisville-Metro Council and the residents of Louisville for their support of the Louisville Division of Fire in our effort to deliver the highest level of services and ensure the safety of all people that live, work and visit our community.

***The Louisville Division of Fire provides fire protection, prevention and environmental protection throughout Louisville Metro...and creates a safer environment through public education, building inspection and fire cause determination.***



# Division Organizational Chart



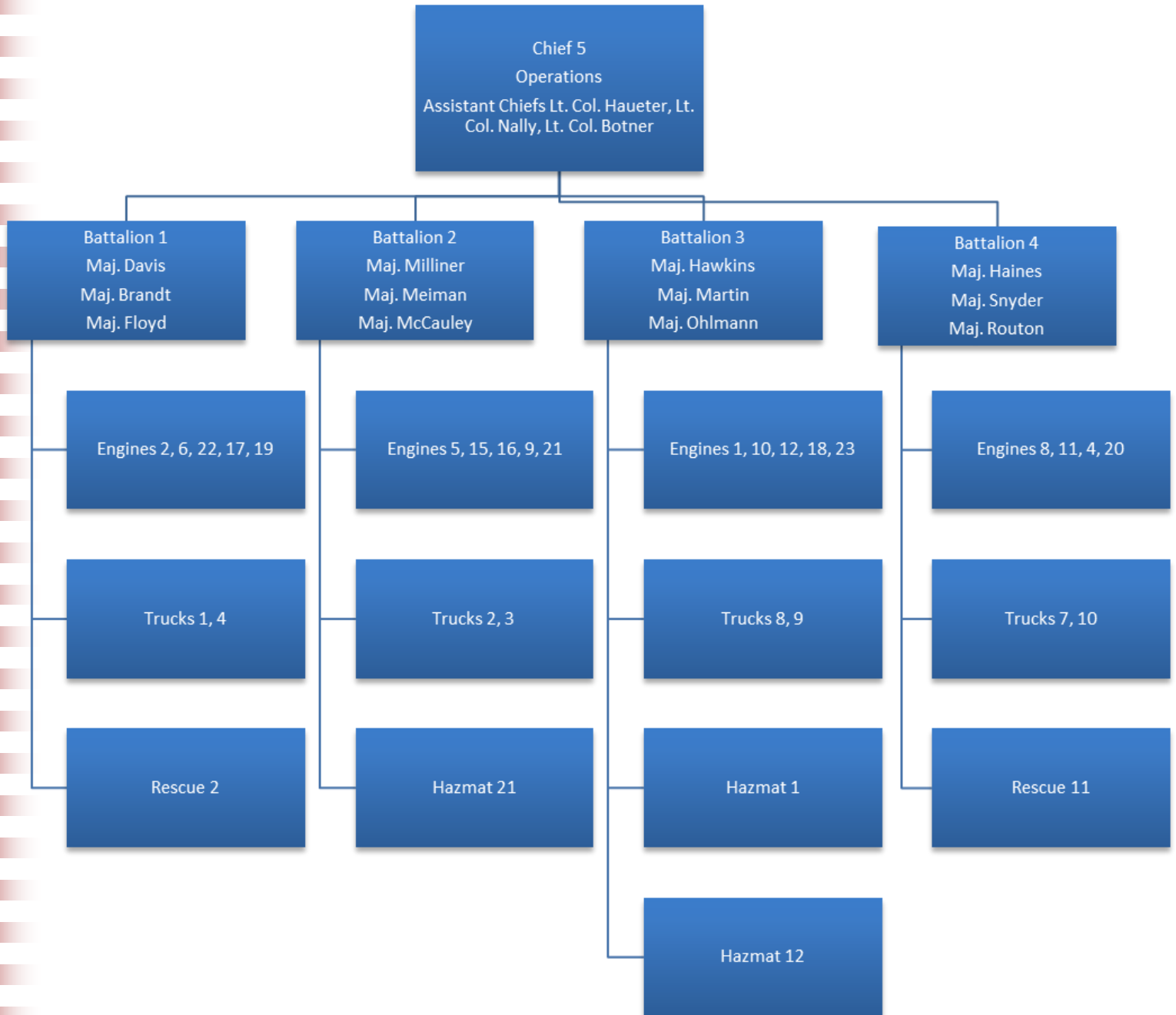


# OPERATIONAL ACCOMPLISHMENTS 2013



**COURAGE**

# Operations Organizational Chart



## Significant Incidents—Platoon #1

♦ 1/18/2013 – **4304 Taylor Boulevard**

**Residential Structure Fire** - Second floor and attic. Three families assisted by Red Cross (8 Adults and 2 Children).

♦ 2/5/2013 – **28th Street and Woodland Avenue**

**Residential Structure Fire** - Four occupants jumped from porch roof. Smoke inhalation and minor injuries; all were transported to University of Louisville Hospital by Louisville Metro EMS.

♦ 2/11/2013 – **1002 Sylvia Street**

**Residential Structure Fire** - one victim with 3<sup>rd</sup> degree burns over 2/3 of lower body, found in front yard upon arrival. Transported to University of Louisville Hospital by Louisville Metro EMS.

♦ 3/4/2013 – **2621 St. Xavier Street**

Engine 6 responded to a medical call. Found elderly woman with 3<sup>rd</sup> degree burns over 50% of body. Transported to University of Louisville Hospital by Louisville Metro EMS.

♦ 5/12/2013 – **2106 Dumesnil Street**

**Residential Structure Fire** - Extra Engine with fire spread to adjacent structure upon arrival

♦ 5/30/2013 – **1437 Morton Avenue**

**Residential Structure Fire** - Extra Truck, Engine and Battalion Chief – 1 Civilian rescued from 2<sup>nd</sup> floor apartment. Transported to University of Louisville Hospital (full arrest) – (smoke inhalation). Victim succumbed to injuries 20 days after the incident.

♦ 6/11/2013 – **Airplane Crash (Seneca Golf Course)– 2300 Pee Wee Reese Road**

Four passengers rescued; all transported to University of Louisville Hospital. All survived their injuries.

♦ 6/30/2013 – **114 South 33rd Street**

**Residential Structure Fire** - One Fatality; it was later ruled out as a homicide. Perpetrator(s) set the house on fire after killing a male victim.

♦ 8/31/2013 – **39 Hill Road**

**Residential Structure Fire Caused by Lightning Strike** - Used multiple master streams and hand lines to extinguish the fire, which gutted the 3<sup>rd</sup> floor and attic.

♦ 9/12/2013 – **Russell Lee Park**

Extricated 2 year old girl and 46 year old male from uncovered hole (abandoned cistern). Rescue 11 responded along with initial response units. Rescue 11 conducted rescue operations. A Tripod System, rope and KED Harnesses were used to perform the rescues. Extra equipment was called to support rescue operations.

♦ 11/11/2013 – **1568 South 9th Street**

**Fatal Residential Structure Fire (apartment).**

A female adult victim was found on the second floor – smoke inhalation.

## Significant Incidents—Platoon #2

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♦ 3/2/2013 – 1221 Cypress Street

**Residential Structure Fire** – House-1 fatality, 1 extra engine called to support operations; multiple hand lines, and master stream were used to extinguish the fire.

♦ 3/11/2013 – 3907 West Market

**Residential Structure Fire** – Apartment 1 extra engine called to support operations; multiple hand lines, and one master stream were used to extinguish the fire.

♦ 3/26/2013 – 1200 Maple

**Commercial Dryer fire with explosion-** 1 civilian transported to University of Louisville Hospital by Louisville Metro EMS due to injuries.

♦ 6/30/2013 – 3714 Noblitt Avenue

**Residential Structure Fire** – Apartment- One civilian rescued and to University of Louisville Hospital by Louisville Metro EMS with smoke inhalation.

♦ 7/6/2013 – 1924 Cedar Street

**Residential Structure Fire** - Multiple hand lines, and multiple master streams were used to extinguish the fire.

♦ 8/29/2013 – 8021 Christian Court

**Residential Structure Fire** – Apartment -1 civilian transported to University of Louisville Hospital by Louisville Metro EMS with 2<sup>nd</sup> and 3<sup>rd</sup> degree burns over 95% of body.

♦ 9/1/2013 – Witherspoon Avenue by I-65

**High Angle Rescue** - Rescue 2 rescued one civilian from Crane Boom 140' above ground.

♦ 9/16/2013 – 1334 Beech Street

**Industrial Equipment Fire** - Hopper fire. 2 master streams and 1 hand line were used to extinguish the fire.

♦ 10/28/2013 – 601 East Ormsby Street

**Residential Structure Fire** – Fire with spread to three structures. 1 civilian transported University of Louisville Hospital by Louisville Metro EMS with severe burns. Multiple hand lines, multiple master streams. 1 firefighter transported University of Louisville Hospital by Louisville Metro EMS due to injuries sustained on scene.

♦ 11/3/2013 – 2614 West Chestnut Street

**Residential Structure Fire** – 1 extra engine called to support operations; multiple hand lines and 1 master stream were used to extinguish the fire.

♦ 12/27/2013 – 3800 River Park Drive

**Residential Structure Fire** – House-1 extra engine was called to support operations; multiple master streams and multiple hand lines were used to extinguish the fire. 1 firefighter was transported by LMEMS due to injuries sustained by falling from 2<sup>nd</sup> story window during emergency evacuation.



## Significant Incidents—Platoon #3

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♦ 2/16/2013 – **2103 Oak Street**

**Residential Structure Fire** – House – 1 Fatality; adult civilian.

♦ 3/9/2013 – **1705 Cowling Avenue**

**Residential Structure Fire** – House-1 extra Engine & Truck were used to support operations. Multiple hand lines and master streams were used to extinguish the fire.

♦ 4/20/2013 – **(Thunder) 1148 Dixie Highway**

**Church Fire**

1 extra Engine was used to support operations. Multiple hand lines and master streams were used to extinguish the fire.

♦ 4/23/2013 – **3521 Goldsmith Lane**

**Structure Fire** – Church Rectory

1 extra Truck was used to support operations. Multiple hand lines and master streams were used to extinguish the fire.

♦ 5/20/2013 – **1020 Cherokee Road**

**Residential Structure Fire** – Apartment 1 extra Engine was used to support operations. Multiple hand lines and master streams were used to extinguish the fire.

♦ 7/25/2013 – **1337 South 4th Street**

**Residential Structure** – Where a roof collapsed during fire suppression operations.

♦ 7/28/2013 – **822 Whitney Avenue**

**Residential Structure Fire** – House - 1 Adult civilian rescued

♦ 8/10/2013 – **Water Rescue**

One adult male rescued from the Ohio River.

♦ 11/10/2013 – **Tractor Trailer Fire**

1 civilian with 80% burns to his body. The victim was transported to University of Louisville Hospital by Louisville Metro EMS

♦ 11/25/2013 – **2302 Glenmary Avenue**

**Residential Structure Fire** – House - 2 extra Engines and 1 extra Truck were used to support operations. Multiple hand lines and master streams were used to extinguish the fire.

♦ 12/4/2013 – **617 Baxter Avenue**

**Residential Structure Fire** – House - 1 extra Engine and 1 extra Truck were used to support operations. Multiple hand lines and master streams were used to extinguish the fire.

## Training / Accomplishments

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1/7 – 2/8/2013 – **Civil Service PAT Testing**

2/23/2013 – **Polar Bear Plunge**

2/25 - 3/2/2013 – **TMERRTT Class**

3 – 4/2013 – **JCTC Fire Science Student Ride Time**

3/15-18/2013 – **IMT Type 4 training**

3/20/2013 – **Interviewer Training Civil Service**

4/8-10/2013 – **Rope Tech Class**

4/15/2013 – **CPR/Aids/HIV Certificates**

4/15-30/2013 – **Radiological Transport**

5/20-24/2013 – **NASBLA Boat Crewman's Course**

5/10-13/2013 – **Swift Water Technician Class**

6/3, 10 & 17/2013 – **Foam Training**

6/7/2013 – **Firefighters Turf Classic Race for Safe Place**

6/14 – 7/25/2013 – New **Medical Protocols Training**

7/24-26/2013 – **IFSAC testing**

8/19-22/2013 – **Confined Space Rescue Training**

8/24-25/2013 – **Iron Man**

9/10-12/2013 – **ARFF Air Craft Training**

9/21-22/2013 – **Jefferson County Fire School @ LFA**

12/1/2013 – **ICS 300 and 400 Classes**

12/10/2013 – **IAFC Webinar Improving FF Rehab**

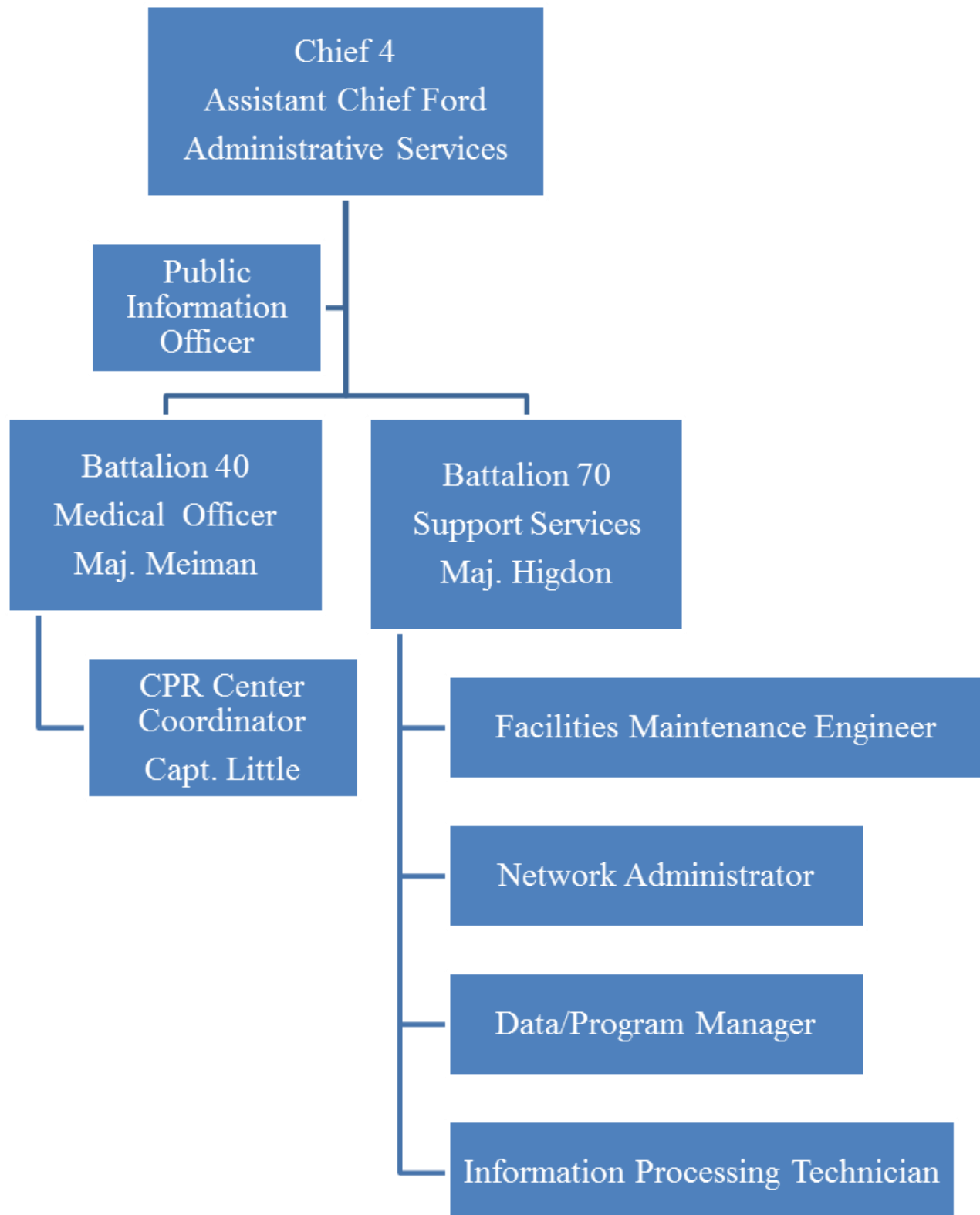
# ADMINISTRATIVE & SUPPORT SERVICES



**TRADITION**

# Administrative & Support Services Organizational Chart

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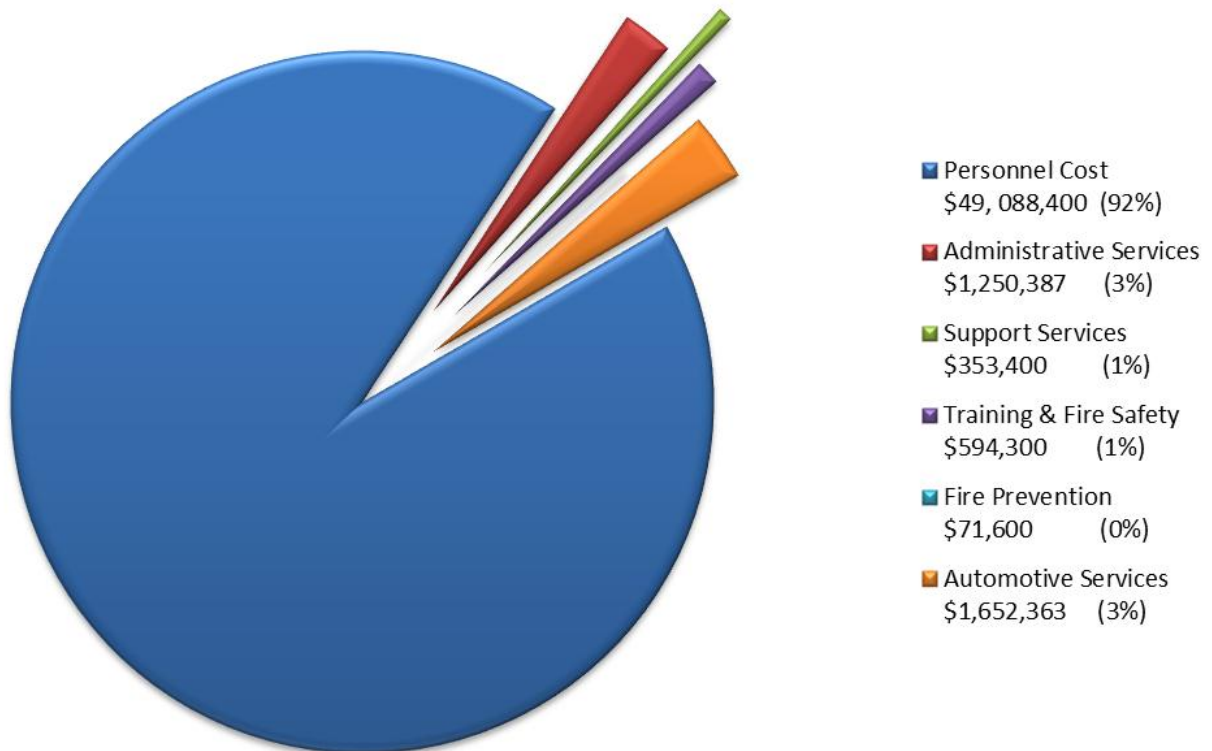
## Administrative Services

The Administrative Services Section is responsible for developing and managing the Division of Fire's Budget, Human Resources, and Facilities. This section assists with building the operating and capital budgets; utilizing the Strategic Management Plan as a guide. This section serves as the liaison between the Division of Fire, Division Bureaus and agencies outside of Metro Government. Other responsibilities include participation in employee discipline, EEOC, investigating allegations of discrimination and harassment, coordinating activities with Metro Compliance, recruitment activities, Title VII Compliance and diversity training.

### Significant accomplishments during 2013 for this section include:

- ♦ Carried out a complete overhaul of pencil & paper payroll system to the new computerized payroll system (Agency Web).
- ♦ Completing renovation of the old Truck 8 fire station which now serves as the new Headquarters for the Arson Bureau; successfully moving there in the summer of 2013.
- ♦ Moving all LFD facilities closer to Energy Star Certification by installing new energy efficient HVAC units, stoves, windows, roofs, and replacing 500 old incandescent light bulbs with over 500 new CFL bulbs
- ♦ Hired a new and diverse fire recruit class of 40 highly qualified individuals.

### Louisville Division Of Fire 2013-2014 Budget \$53,010,450





## CPR Center

The LFD CPR Center, one of the largest in the American Heart Association System, continues to grow with an affiliation now well over 2,200 external instructors, 30 Division members serving as certified BLS instructors, and five ACLS instructors in this year. Including all the hospitals, nursing homes, individual instructors encompassing the state of Kentucky, and Southern Indiana under our umbrella, these facilities and instructors have trained over 30,000 students in Basic Life Support, Advanced Cardiac Life Support, Pediatric Advanced Life Support as well as First-Aid.

The Louisville Division of Fire completed the purchase of 35 new LifePAk1000 AEDs and 20 Trainer AEDs. These AEDs were placed on each LFD first line apparatus, each Battalion Chief's vehicle, two at Fire Headquarters, one at Louisville Fire Academy, and one at the Automotive Service Facility. The twenty trainer AEDs are divided equally between Engine 1 for Friday community classes and the CPR Center where they are used for rental purposes and off site CPR classes. The LFD/CPR Center takes great pride in completing the recertification of 482 Division members yearly. The CPR Center was recently evaluated by AHA Regional Representative. The Center received the highest rating obtainable. In December of 2013 the LFD CPR Center received recognition from the American heart association for placing in the top 1% in generated revenue in the Mid-West region.



Capt. Melvin Little (CPR Center) and Chief Frederick receiving the award from the American Heart Association.

## Support Services

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In 2012 Support Services was integrated into the Administrative Services section of the LFD. Support Services' responsibilities include incident response review, LFD systems analysis, data and statistics collection and review, all LFD technology and Public Information.

The technology personnel provide daily support for all technology needs of the Division and serve as the administrators to proprietary software and databases for the Division. The office also coordinates with the Louisville Metro-IT Department regarding Metro Software, computer equipment and overall technology needs. Personnel also coordinate internally for projects concerning new software and the expansion of current software needs.

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### Significant Projects Completed

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- ♦ Implementation of the Mobile Data Terminal (MDT) Project
- ♦ Implemented IPAD Program providing wireless data access and inputting to members of the Arson & Fire Prevention Bureaus, and the Chief's Staff



## Public Information Section

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The Public Information Officer (PIO) coordinates with the local and national media, Metro Government, various other agencies, and internally, regarding projects, responses, programs and activities. Receives and processes compliments/complaints from Metro Call, and directly from the public. Coordinates Metro Government sponsored fund raising activities such as the Fund for the Arts, Metro United Way, MDA, and Service for Peace Christmas Angel Program & Toys for Tots. The PIO is also very active in local schools and in the community showcasing the Division's career opportunities and fire safety message. The PIO also provides Spanish language interpretation and translation skills to other Metro Government agencies, in emergency and non-emergency situations.

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### Significant Events

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- ◆ **Great Louisville Fire Drill** - coordinated and participated in all media related events, pertaining to this project, advancing the Division's fire prevention mission, as well as preparation and conduction of the event .
- ◆ **4<sup>th</sup> of July Fireworks Safety Media Blitz** – coordinated with local media to raise fireworks safety awareness.
- ◆ **Weather Safety**- sent out multiple media blitz regarding inclement weather safety.
- ◆ **Promotion Ceremonies** – the Division celebrated the promotion of 20 members of the department. The PIO plays a significant role in the coordination of these events, such as securing the venues; making sure the required equipment and attending participants are present, distributing pertinent information to event honorees, and conducting the events.
- ◆ **Awards and Retirement Committee and Ceremony** – the PIO participates in the award nomination process, event venue selection and conduction of the ceremony.
- ◆ **9/11 Memorial Ceremony**- coordinated with MetroSafe to pay tribute to the 12<sup>th</sup> Annual 9/11 Memorial Ceremony held Division wide.
- ◆ **Member Recognition by Outside Organizations** – the PIO Coordinates with outside organizations as they recognize Division members whom in the organization's view have performed in an outstanding manner and recognize them as "Firefighters of the Year." The following organizations recognized the following members:
  - ◇ **Sons of the American Revolution** (National Chapter) recognized Captain Thomas Sheehan, Sr.
  - ◇ **American Legion's Shawnee Post** recognized Captain Steven W. Surrat
  - ◇ **Blue Coats of Louisville** recognized Captain Matthew Gawarecki, Firefighters Keith G. Cox, Michael J. Glasser and James L. Perry

## Significant Events, Cont'd.

- ◆ **Parades/Civic Engagement/Healthy Initiatives** – PIO coordinates LFD participation in the following events to keep the Division in the public eye and to keep the Division's mission of community initiatives support and civic engagement.
  - ◇ **Parades:** St. Patrick's Day Parade, Pegasus Parade, Caufield's Halloween Parade, Veteran's Day Parade, Winter Wonderland "Light Up Louisville" parade.
  - ◇ **Civic Engagement:** Garrison Flag display (requiring two aerial ladders) and Honor Guard participation in: Memorial Day, 4<sup>th</sup> of July, Veteran's Day Parade, 9/11 Tribute, Supporting Heroes Holiday Tribute.
  - ◇ **Healthy Initiatives:** coordinate LFD units to standby to provide emergency response to Mayor Fischer's Healthy Hometown Initiatives such as Hike, Bike & Paddle (spring and fall), Kentucky Derby's Mini Marathon, and full Marathon, Thunder Over Louisville, Beechmont Community's Ramble for the roses, etc.
- ◆ **Mayor Fischer's "Give-a-Day"**- coordinated with the Home Depot to participate in the project of building a new "quite room" at St. Peter's First United Church; a project to which the Home Depot donated \$5,600.00 in materials, and required hundreds of man hours to complete. Those hours were provided by Division members volunteering their time and skills.
- ◆ **Virtual "Talk to Greg" town hall meeting**- represented the Division during the event
- ◆ **Charitable Organization Support**

In its quest to provide high quality public protection, year after year, the Division is fully committed to supporting charitable organizations outside the Division which provide essential services to the public. In 2013 through member payroll deductions contributions, fundraising, "Fill the Boot" drives and golf scrambles the Division contributed a total of \$140,408.80.

The breakdown below reflects Division contributions to the various organizations supported.

### ◆ **Supporting Heroes – Total 36,060.00**

Member payroll deduction contribution \$36,060.00

### ◆ **Metro Government Sanctioned Organizations – Total \$46,348.00**

#### ◆ **Community Health Charities**

Member payroll deduction contribution \$1,747.80

◆ **Metro United Way** - Member payroll deduction contribution - \$2,675.00

#### ◆ **Kosair Charities**

Member payroll deduction contribution - \$3,075.00

#### ◆ **Crusade for Children**

Member payroll deduction contribution - \$3,244.00

Fill the Boot - \$34,000.00

### ◆ **Muscular Dystrophy Association – Total \$58,000.00**

Member payroll deduction contribution - \$22,000.00

Fill the Boot - \$21,000.00

Golf Scramble - \$15,000.00

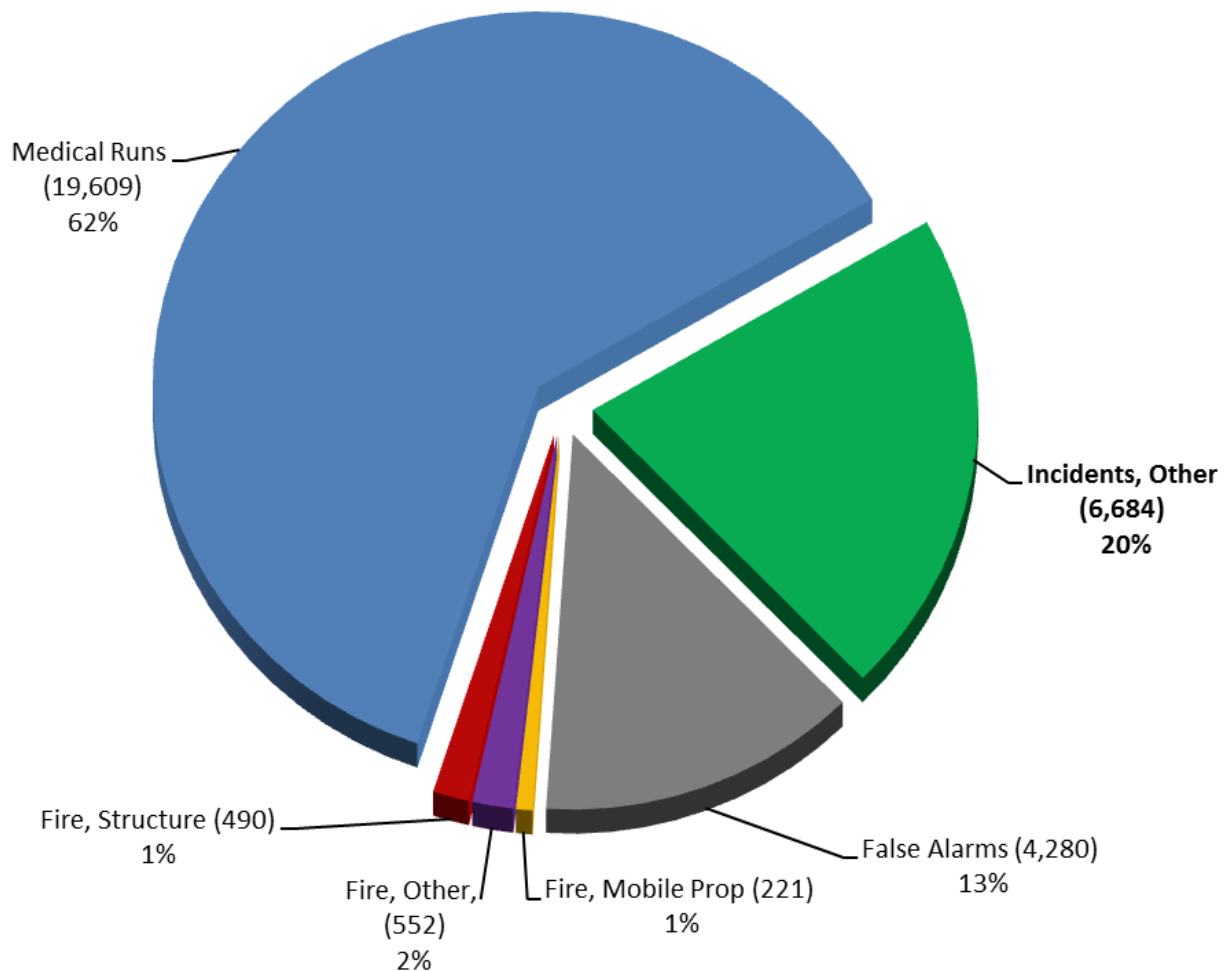
## Information Processing Section

The Information Processing Section is responsible for all statistical data for the Division. Daily, each response made is reviewed for completeness and is quality checked. This section provides the monthly statistics for Louie Stats and for internal use. Data for grants and national surveys are also completed through this section, as well as the release of incident reports to the Public. In 2013, approximately 492 requests were processed.

The Louisville Division of Fire responded to 31,836 incidents in 2013, consisting of 490 working structure fires, 221 fires in mobile properties, 4,280 false alarms, 19,609 medical runs and 6,684 other incidents such as wires down or various other hazards.

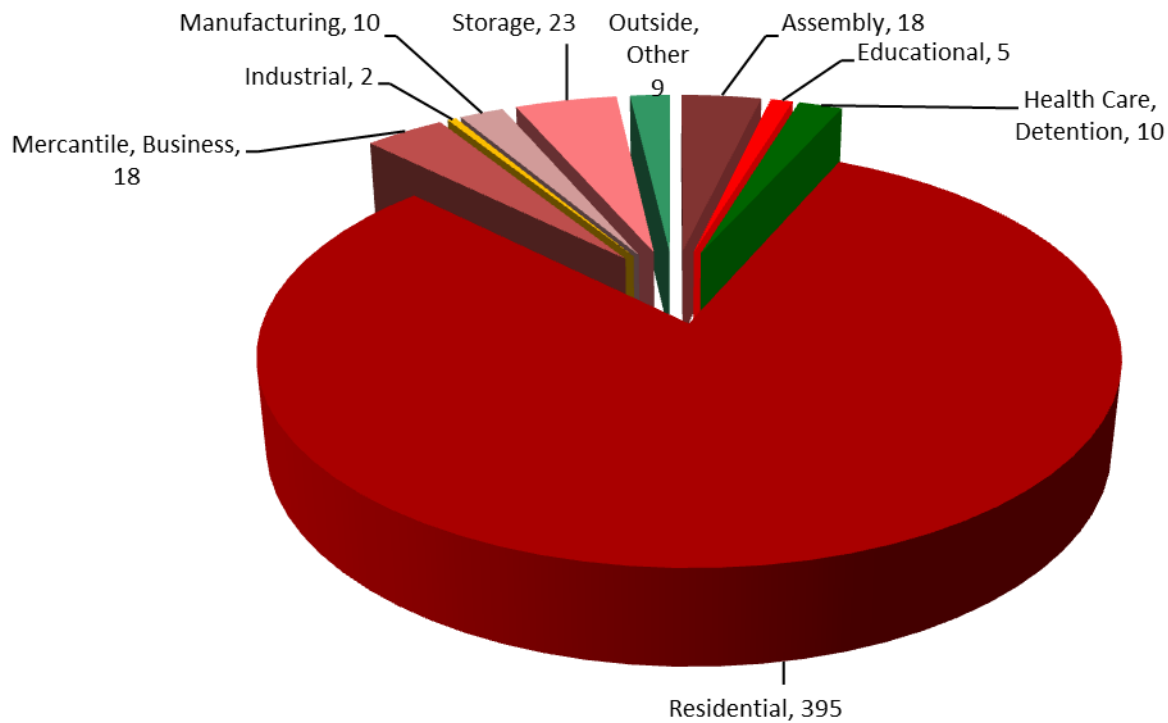
The following charts break out the total number and types of fire responses and total number of med runs made by the Division within the last twelve months. There also is a chart used to show the number of fire/med runs made by each individual unit. We have also included a ten-year total response chart that includes all of the runs made by the fire units collectively.

### 2013 Total Responses

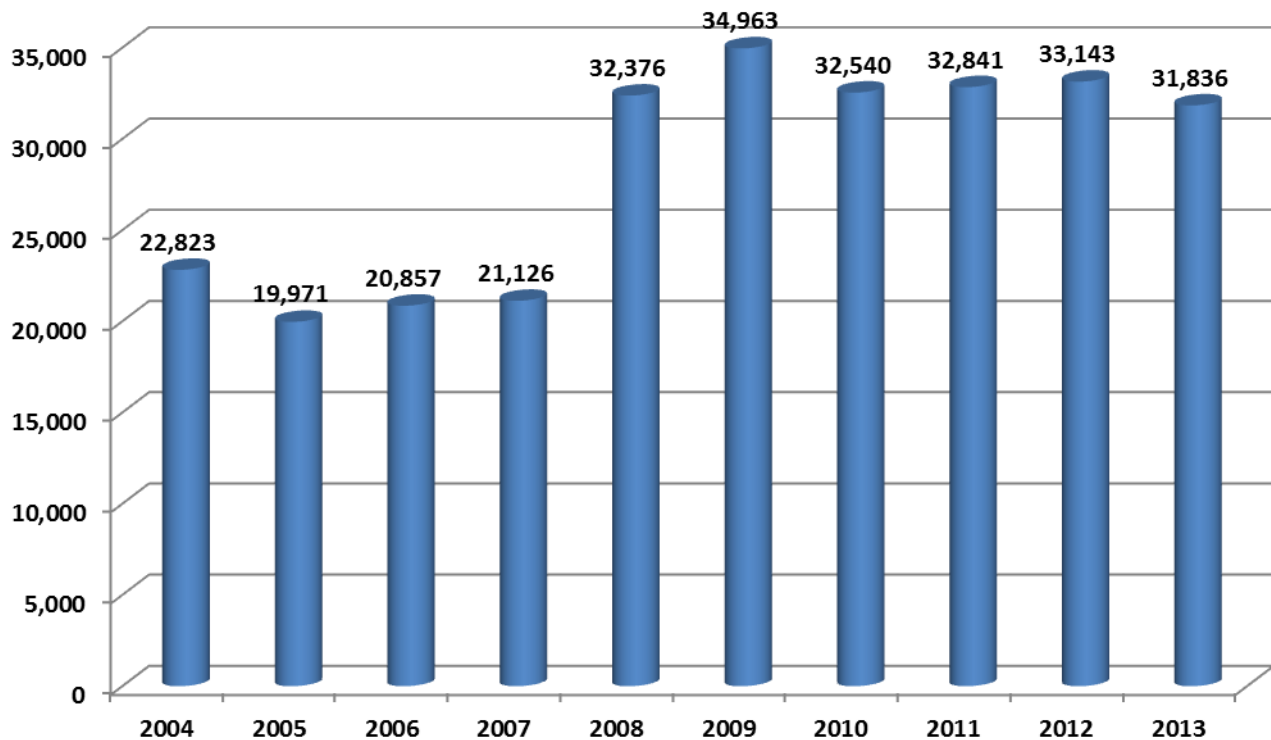




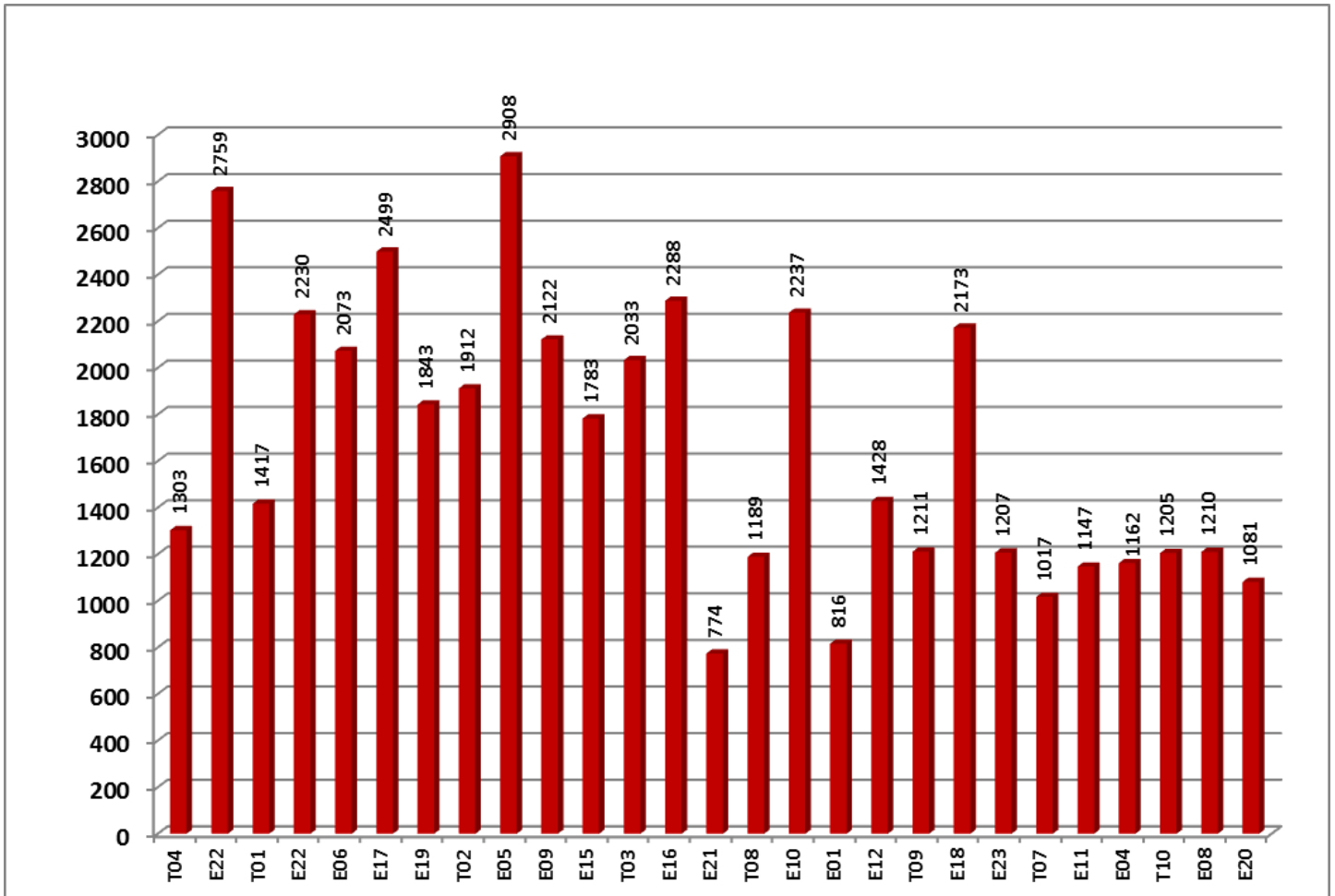
## 2013 Structure Fires by Occupancy



## Total Responses-10 Year Period



## Unit Response



# LOUISVILLE FIRE ACADEMY



**KNOWLEDGE**

The Louisville Fire Academy is staffed full time by 1 Chief Training Officer, 4 Training Officers, 1 Video Specialist, 1 Fire Clerk, and 1 Custodian. The Training Academy staff supported the mission of the Louisville Division of Fire in 2013 by providing, facilitating, and hosting numerous training opportunities. Thousands of training hours were tallied and reported to both the Kentucky Fire Commission and the Kentucky Board of Emergency Medical Services. Several enhancements were made to the training experience in 2013 including the addition of a computer lab and the production of various safety/training videos. In accordance with NFPA 1402, a structural engineering inspection was conducted on the training tower. Although structurally the tower was found to be in good condition, several areas are in need of repair. The Louisville Division of Fire was awarded grant funds from the Kentucky Fire Commission totaling \$80,000. These funds, along with funds from our existing Facilities budget, are being utilized to make the needed repairs to our training tower. September 30<sup>th</sup> marked the start of the Academy's 182<sup>nd</sup> Recruit Class. LFA personnel spent many hours scheduling training sessions, tracking training hours, researching trends within the fire service, in preparation for the class. As in past years, in addition to the task of keeping up with the training of all Division Members, the Fire Academy worked tirelessly to continue to build relationships with outside agencies through the conduction and hosting of training sessions.



LFA Training Tower

### Training sessions conducted by LFA:

- ◆ Executive Fire Officer Training for Battalion Chief candidates
- ◆ Cardio Pulmonary Resuscitation training
- ◆ International Fire Service Accreditation Congress testing
- ◆ Level I Methodology (Fire Instructor) course
- ◆ Automotive Service Excellence Certification testing
- ◆ Trench and Dive Rescue training
- ◆ Air Monitor training for Hazardous Materials units
- ◆ Recruit Class 182 began
- ◆ Completed the Fire Officer Mentor program
- ◆ Metro Search and Rescue training
- ◆ Hazardous Materials training
- ◆ National Registry and Kentucky Paramedic and Emergency Medical Technician recertification
- ◆ Truck Officer Training

### The LFA hosted the following for outside agencies:

- ◆ Jefferson County Fire School
- ◆ Jefferson County Fire Instructor Association
- ◆ United States Coast Guard
- ◆ Louisville Metro Emergency Medical Service driver training, Hazardous Materials Awareness, and Fire Extinguisher trainings
- ◆ Louisville Metro Police Department driver training, Hazardous Materials Technician, and SWAT trainings
- ◆ Kentucky Community and Technical College
- ◆ 41<sup>st</sup> Civil Support Team
- ◆ Jeffersonville Fire Department



# SPECIAL UNITS



## BRAVERY



The Louisville Division of Fire provides an “all hazards” service to the community. In support of that mission, our Special Unit Companies spend hundreds of hours training for “technical responses” and “technical rescues.” A realignment of our special unit companies was completed in 2013. The National Fire Protection Association (NFPA) guideline for Technical Rescue and Training primarily resides in two documents, NFPA 1006 and NFPA 1670. These documents guide our team development, structure, and training. There are now approximately 150 members assigned to a special unit company. Maintaining qualified and certified technical team members is a task that has proven challenging for the Special Unit Coordinator. Our departmental goal is to have certified members on all technical rescue teams. We continue to work toward this goal. Another challenge identified within Special Units was that of accounting for equipment. In an effort to better track and account for technical rescue equipment, a thorough inventory was conducted. This inventory, coupled with a recall of gear / equipment not currently assigned to special unit team members, will assist with identifying equipment needs and accounting for the current equipment cache.

Training was conducted in the listed disciplines:

- ◆ Public Safety Dive Rescue
- ◆ Swift Water Rescue
- ◆ Structural Collapse Rescue
- ◆ Rope Technician
- ◆ Hazardous Materials
- ◆ Trench Rescue



**Louisville Fireboat 1**

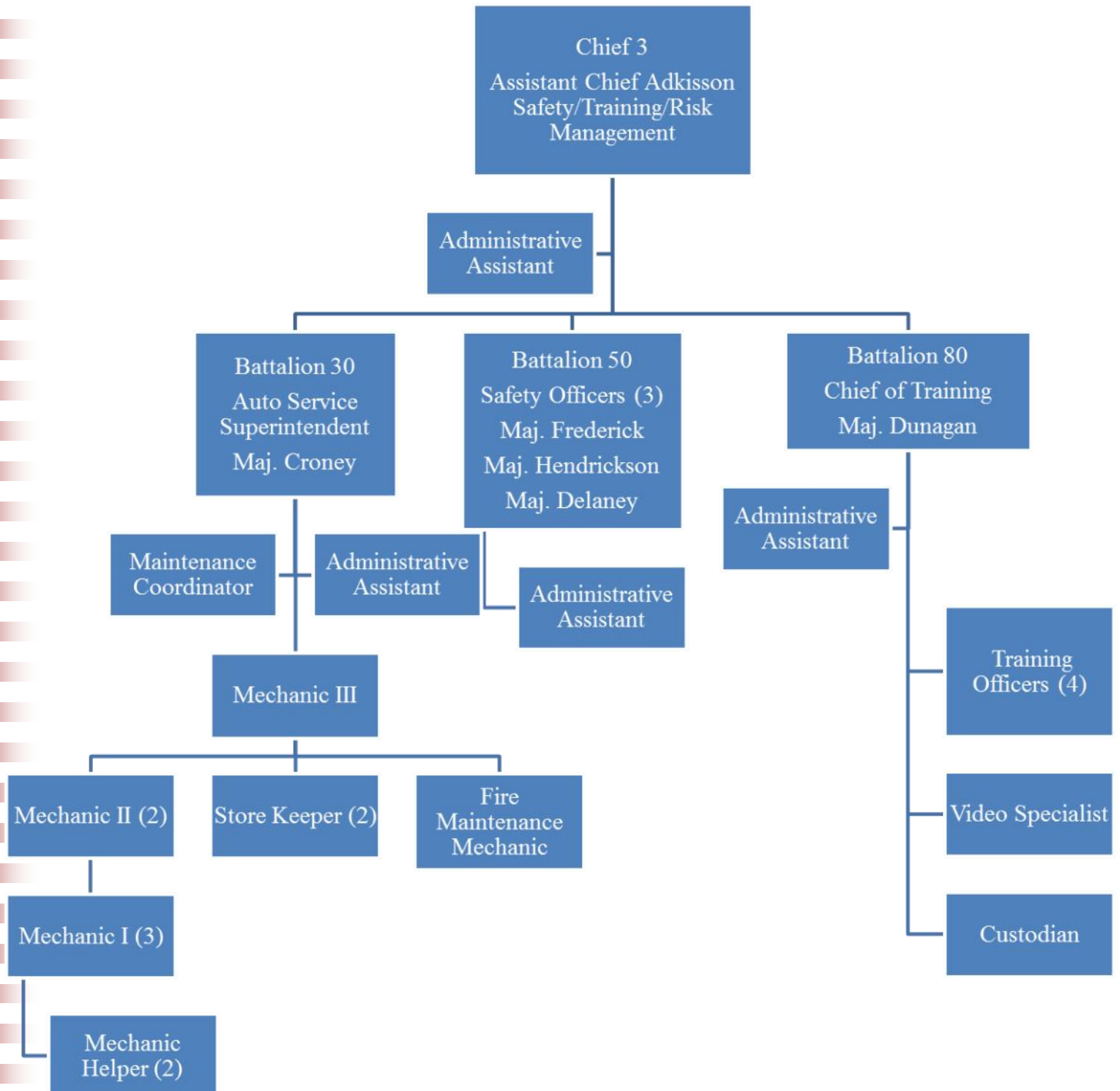
# SAFETY



## DEDICATION

# Safety, Training & Risk Management Organizational Chart

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The mission of the Safety Office is to positively impact the health and safety of all division members. It is the desire of the Safety Office that every member of the Division have a safety first mindset. The framework from which we seek to accomplish these goals is provided by various recommending and regulating agencies. The National Fire Protection Association, the Occupational Safety and Health Administration, the National Institute for Occupational Safety and Health, the Department of Homeland Security, the Code of Federal Regulations, and the Environmental Protection Agency are examples of these agencies. Our office is comprised of 1 Safety Chief, 3 Safety Officers, and 1 Fire Secretary are dedicated to analyzing statistical data, research, development / review of policies, reviewing on duty injuries, reviewing vehicle accidents, and educating members in support of this mission. A Safety Committee meets every other month to discuss topics specific to the safety and health of our membership. The minutes from these meetings, along with research and reference materials, are available for all department members to view on Sharepoint (Virtual Desktop) under the [Safety tab](#). The Division was awarded grant funds from a 2013 Port Security Grant totaling \$133,000. These funds will be used to purchase Hazardous Materials identification equipment, much needed Marine Firefighting training, and also a drone. To date, a drone device has not been purchased. The Division is researching what type of Drone will best suit our needs. There are many features associated with a Drone device and the Division intends to utilize a device such as this for recon missions on various types of emergency situations, including Haz-Mat incidents, River Operations, large scale fire incidents, etc. Other uses will likely be discovered once a device is purchased and placed into operation.

### **Several accomplishments of the Safety Office for 2013 are listed below:**

- ◆ Complete inspection cycle of Personal Protective Equipment
- ◆ Began using the Quantitative Fit Test machine to improve firefighter safety
- ◆ Continued adding Safety information and resources to the Virtual desktop
- ◆ Assisted with the production of various Safety videos
- ◆ Facilitated Stand Down for Safety Week
- ◆ Implemented a Hearing Protection policy
- ◆ Members of the Safety Office received Incident Safety Officer Certifications through the Fire Department Safety Officers Association
- ◆ Conducted investigations on injuries that occurred in the workplace
- ◆ Conducted investigations on accidents involving departmental vehicles
- ◆ Responded on several emergency incidents and performed as the on-scene Incident Safety Officer
- ◆ Research of trends in the fire service in the areas of safety, equipment, procedures, and many others



# AUTOMOTIVE SERVICE FACILITY





The Automotive Facility includes a staff of 1 Chief of Fleet Maintenance, 1 Mechanic III, 2 Mechanic II, 3 Mechanic I, 2 Mechanic Helpers, 1 Fire Maintenance Mechanic, 2 Store Keepers, 1 Maintenance Coordinator, and 1 Fire Secretary. The Automotive Service Facility (ASF) continued to provide a world class service in 2013. The National Fire Protection Association 1901 document and Department of Transportation regulations direct much of the work performed on our emergency apparatus. The ASF is responsible for maintaining the Division fleet, small tools and equipment, the ordering and distribution of division supplies, and establishing purchasing contracts. In addition, the Automotive Service Facility provides services to other Government agencies. These services include the maintenance of the Louisville Metro Emergency Medical Services fleet and the apparatus and support vehicles of 5 suburban departments.

The Automotive Service Facility services/repairs 252 vehicles in addition to small tools and equipment.

### **Louisville Division of Fire equipment serviced/repaired:**

- ◆ 92 support vehicles
- ◆ 9 trailers
- ◆ 15 boats
- ◆ 3 ATVs (AKA Mules)- The mules are equipment designed to access areas of limited access in the city, they were modified in order to maximize their deployment capacities; two of them equipped with snow plows. All of them equipped with a 50 gal. tank, a 50' section of 1" hose, a 25' garden hose, a 40GPM TFT nozzle to be able to extinguish trash fires and small brush fires. A Medical Kit including oxygen tank, Automated External Defibrillator (AED), Stokes basket and a long spine board to tend to medical and rescue emergencies.
- ◆ 1 wave runner
- ◆ 8 Hazardous Material and Rescue vehicles
- ◆ 42 fire apparatus

### **Suburban Fire equipment serviced/repaired:**

- ◆ 18 apparatus
- ◆ 14 support vehicles

### **Louisville Metro Emergency Medical Services equipment serviced/repaired:**

- ◆ 57 med units

## 2013 Accomplishments

- ◆ Took delivery of a new Tractor Drawn Aerial (Truck 3) .
- ◆ Awarded a contract for the purchase of two Pumping Apparatus (Engines).
- ◆ Completed bid specifications for future Self Contained Breathing Apparatus purchase.
- ◆ Several Automotive Service Facility administrative functions move to paperless process .
- ◆ Automotive Service Facility personnel maintained / obtained their Emergency Vehicle Technician certifications, Automotive Service Excellence certifications.
- ◆ Small tools mechanic maintained certifications to repair/service nozzles, appliances, rescue tools, power tools, lawn equipment, and Self Contained Breathing Apparatus.
- ◆ Members of the Automotive Service Facility continue to complete Leadership Enhancement and Development & Supervisor Enhancement and Development courses.
- ◆ Purchased six additional rotary lifts which increases the number of vehicles able to be serviced as well as improves overall productivity .
- ◆ Continued working with the Office of Management and Budget to make the purchasing process more efficient.



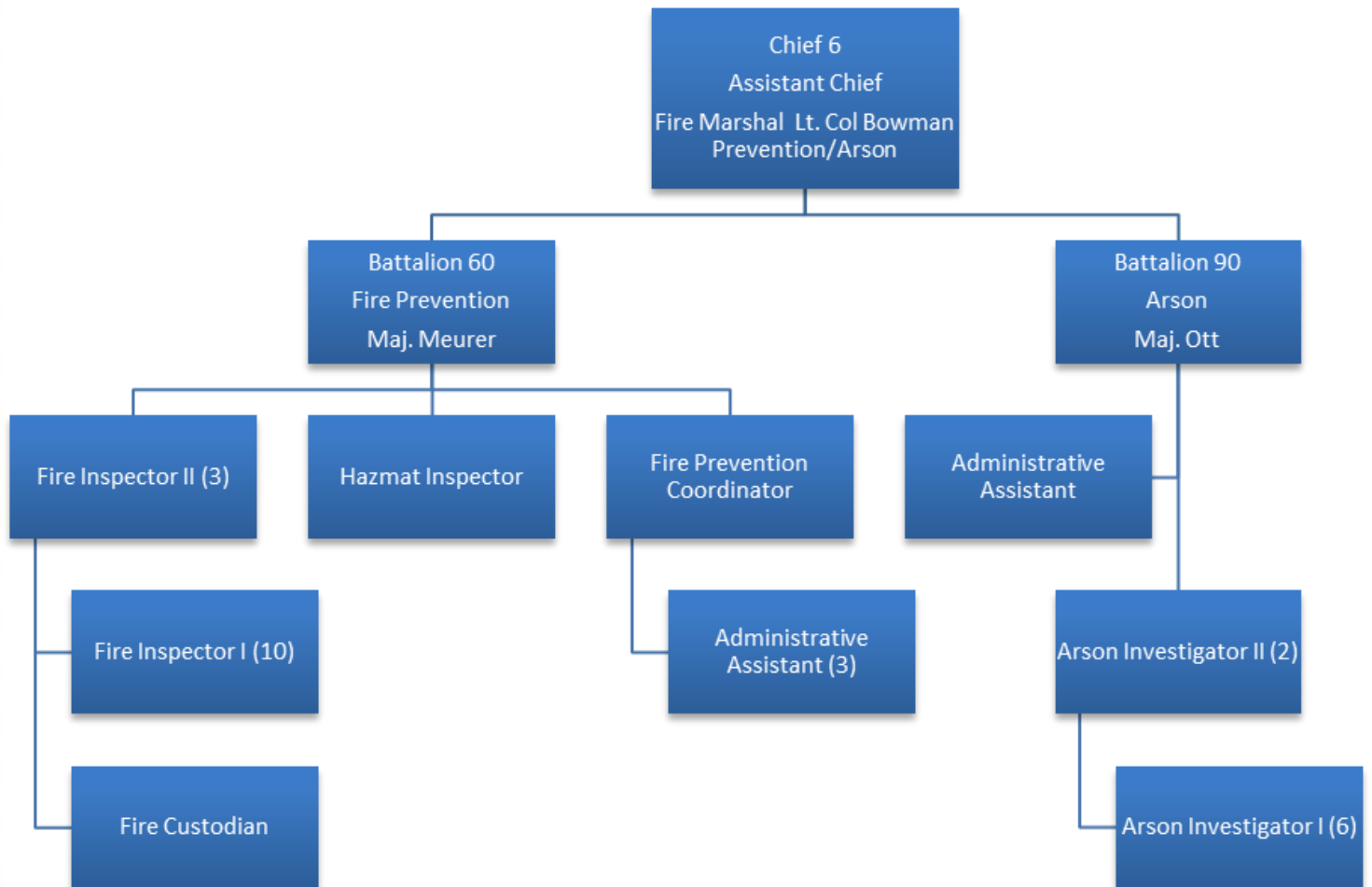
New Truck 3

# FIRE PREVENTION BUREAU



# FPB / Arson Organizational Chart

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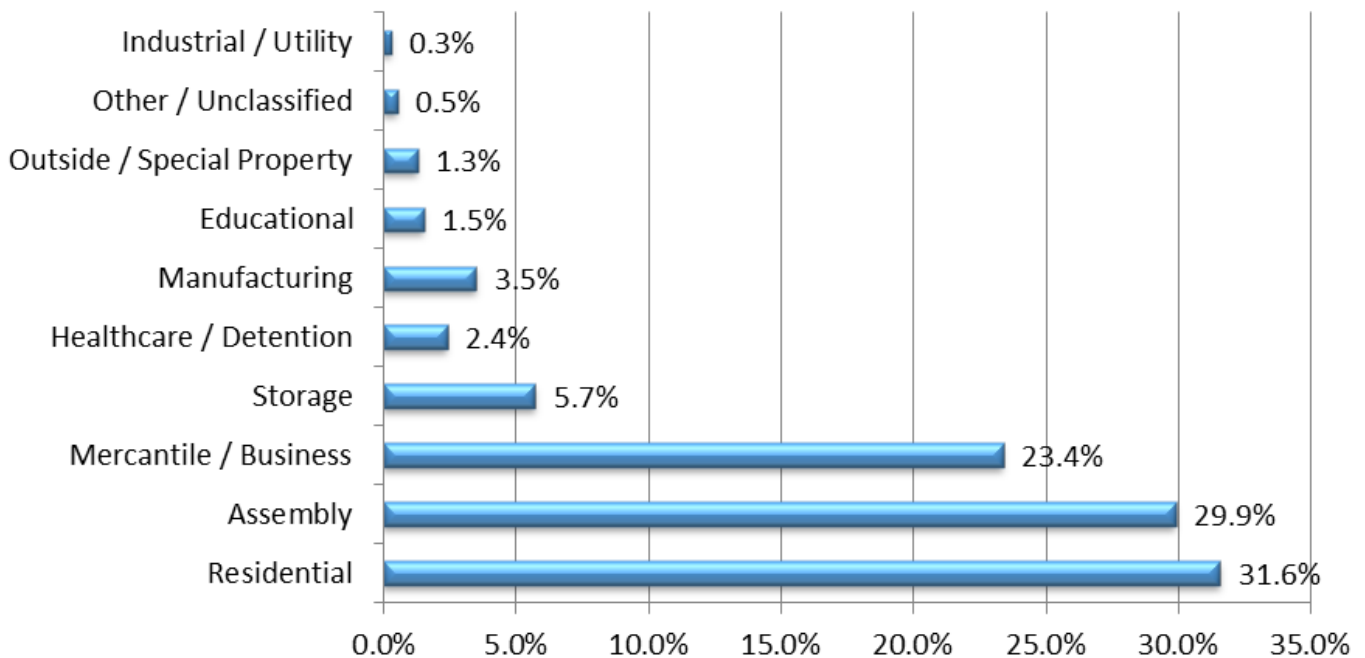
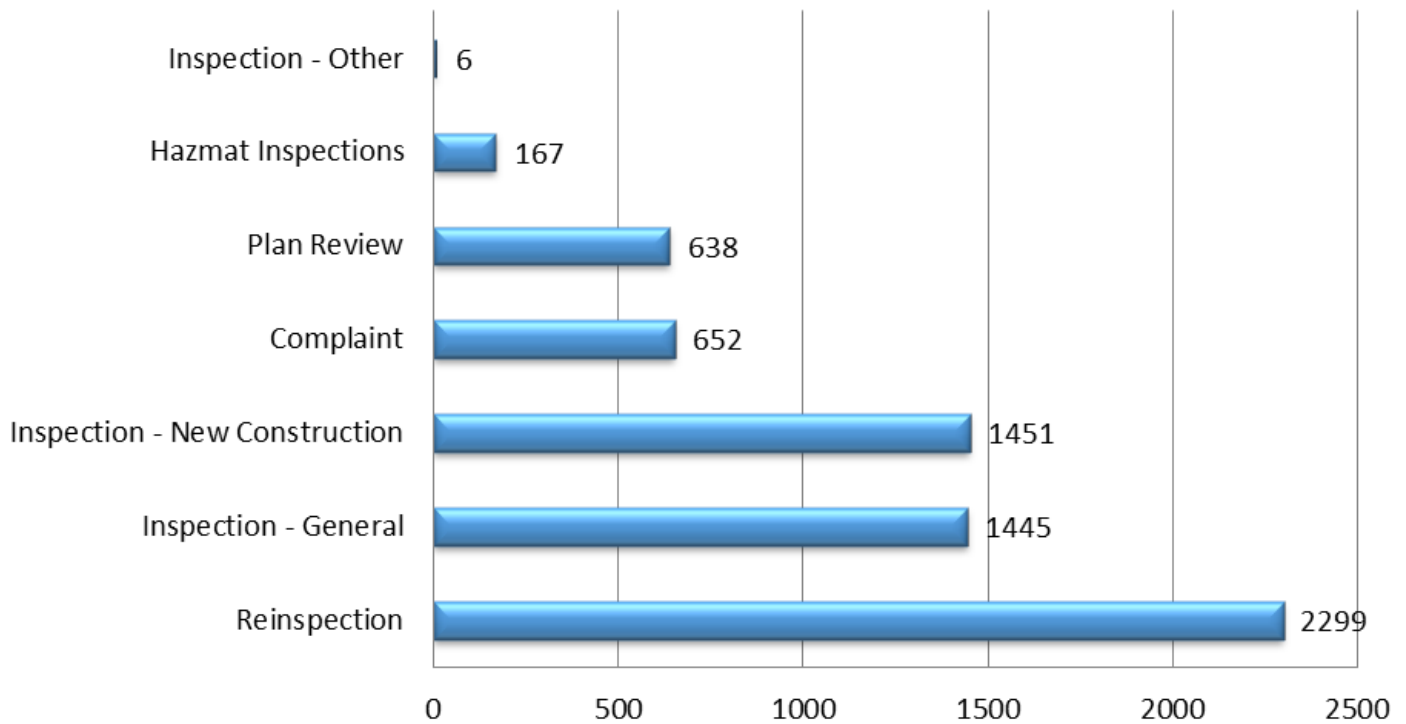
The Fire Prevention Bureau provides the community many services that make the city of Louisville a safer place to live and work. It moves primarily toward this goal through code enforcement and public education programs. In 2013, the FPB conducted a total of 6,658 inspections of businesses, industrial complexes, high rise buildings, and multifamily apartment buildings, including complaints, re-inspections, hazardous materials inspections, new construction and plan review.





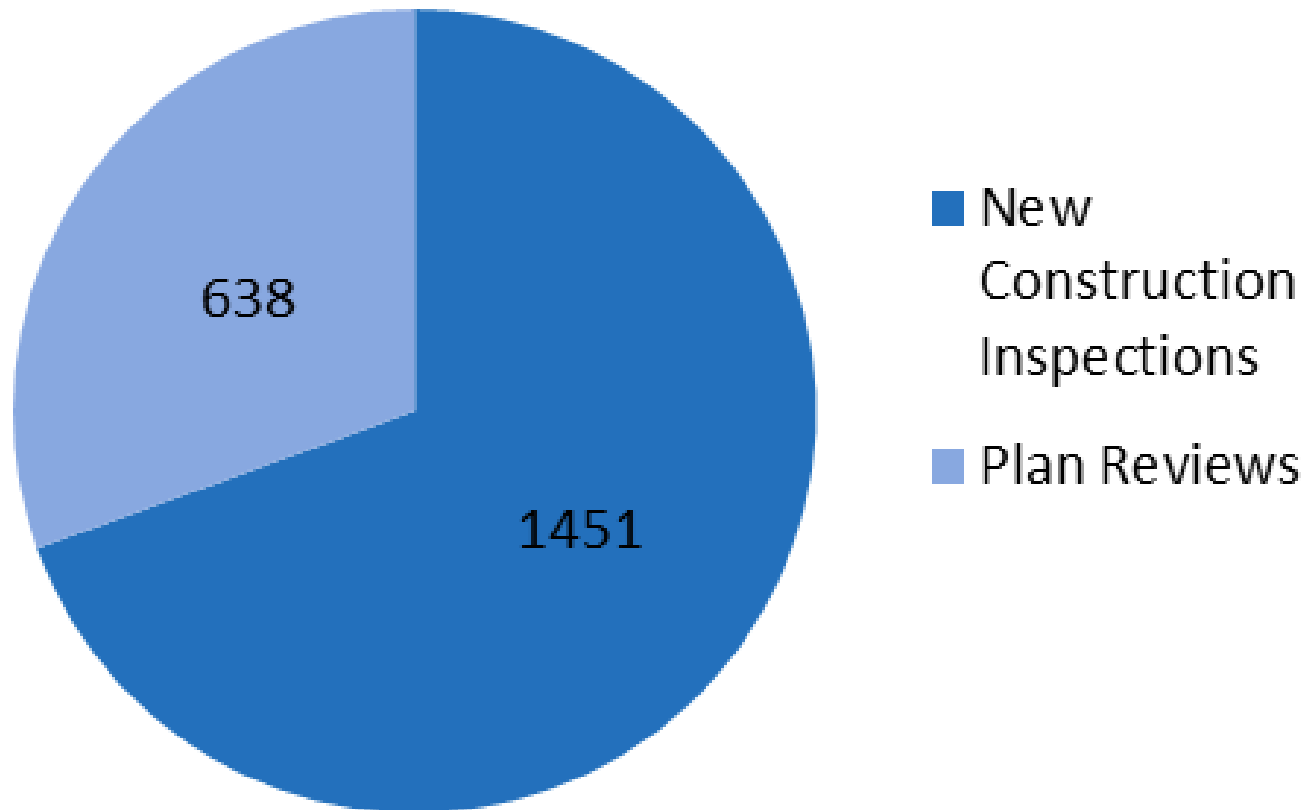
## Code Enforcement

The bureau's mission is to inspect all facilities within the Urban Services District (excluding one- and two-family dwellings and properties inspected by the State Fire Marshal's Office). Inspectors ensure that minimum fire prevention and control standards are being maintained in specific properties. Inspections of properties occur on a routine basis, as well as by complaint. Vacant structures were addressed by working with the Building Department to have accessible structures boarded.



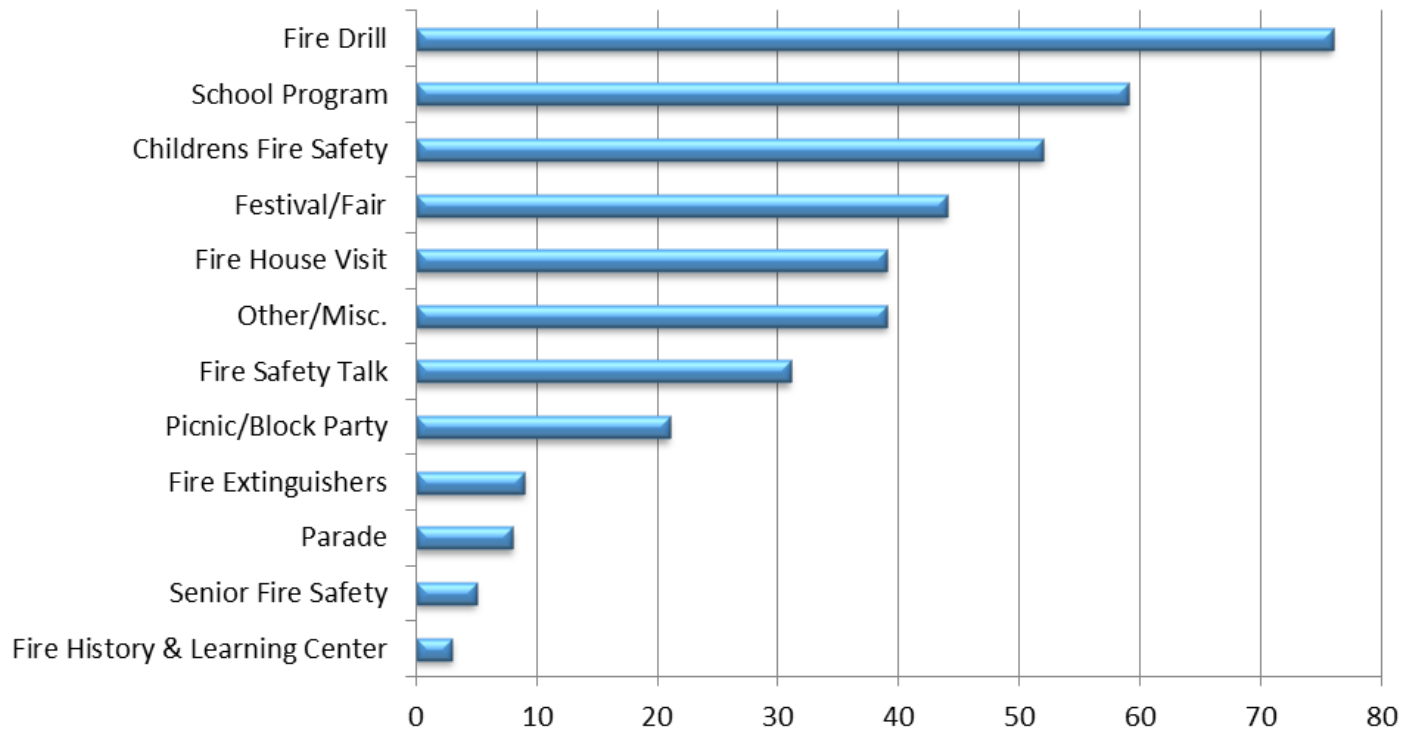
## New Construction / Plan Review

Personnel assigned to this section work with the department of Inspections, Permits and Licensing to review building plans and follow contractors as they progress through renovation and construction projects. One FPB inspector maintains an office in 444 S. 5<sup>th</sup> with the other members of the Building Department, while another FPB member is responsible for the new construction field inspections. 638 plan reviews and 1451 new construction inspections were conducted in 2013.



## Public Education

This group of personnel directs their attention to developing and delivering fire safety education to the community by means of prepared classes and demonstrations. During 2013, there were 386 programs provided for the community, reaching over 128,000 people. Members also participated in the Great Louisville Fire Drill at Iroquois Park, and held the kick off for Fire Prevention Week in Jefferson Square Park. This ceremony included the dedication and placement of a wreath by the Chief and Mayor at the Fallen Firefighter Memorial. Educational programs within the community may be arranged by contacting the Louisville Fire Prevention Bureau at 574.3731.



## Smoke Detectors

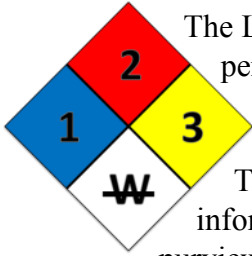
Mayor Fischer and Metro Government demonstrated concern and support for Fire Prevention by providing ten-year lithium battery smoke detectors to property owners who cannot afford one. When requested through [MetroCall](#), the smoke detector is installed for free by fire companies in owner occupied single family dwellings. The Fire Prevention Bureau handles the purchasing, storage and distribution of the detectors for the Department. Nearly 500 smoke detectors were installed by Fire Suppression companies in 2013.



*Citizens that live in owner-occupied single family dwellings may request a home inspection through Metro-Call 3-1-1. The Division of Fire will send a Fire Company to perform a voluntary home fire safety inspection and install a free ten-year lithium battery operated smoke detector in the home.*

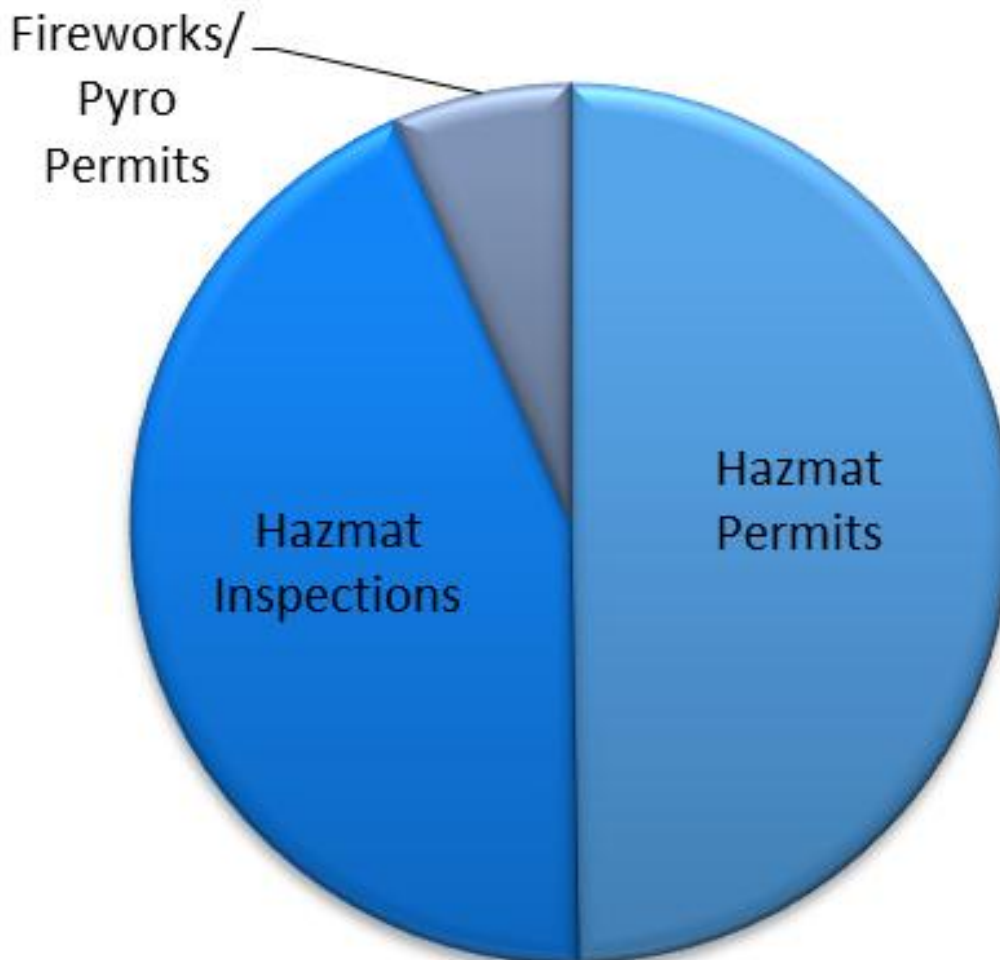
*Smoke detectors in rental properties must be provided by the property owner.*

## Hazardous Materials



The Louisville Fire Prevention Bureau's Hazardous Materials Specialist oversees matters pertaining to production, processing, storage, transportation and disposal of hazardous materials in the community. There are presently 798 locations throughout the city storing hazardous materials and an annual review and inspection of these properties is imperative. The Hazmat Specialist processes a permit for each of these occupancies and maintains this information in Firehouse Software. Tent inspections for outdoor events also fall under the purview of the Hazmat Specialist, specifically at events like World Fest on the Belvedere, the St. James Art Fair, Light Up Louisville, Thunder Over Louisville and at Churchill Downs for the Derby.

Louisville Fire & Rescue is also responsible for all "Community Right to Know" information. Annual submittals from local companies and industries are required to be submitted to Fire Prevention by March 1. This information is then catalogued, distributed and made available to the community upon request.



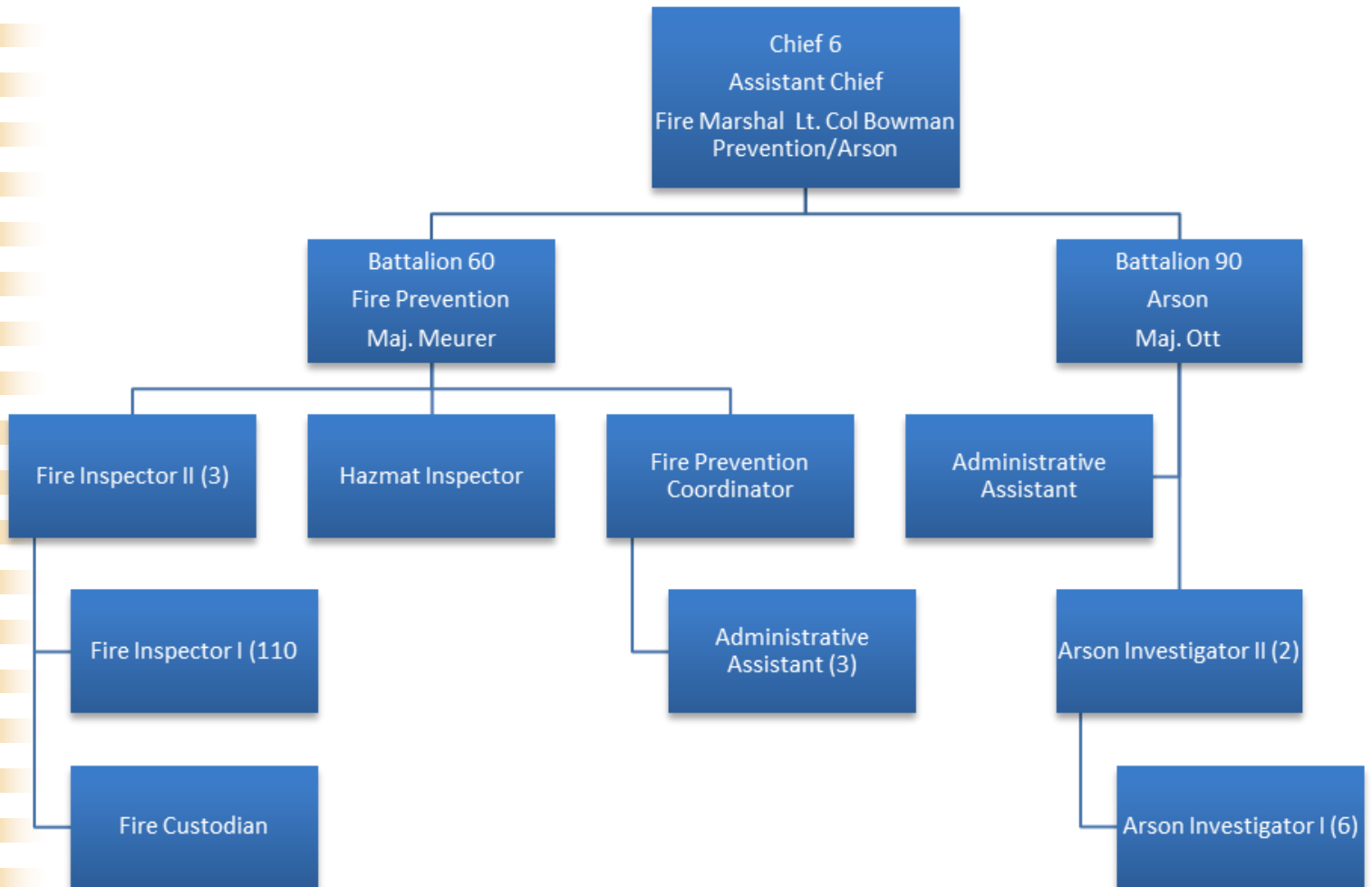


# METRO ARSON BUREAU



# FPB / Arson Organizational Chart

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## General Investigation Information

<b>2013 TOTAL INVESTIGATIONS</b>	<b>571</b>		<b>TOTAL INCENDIARY</b>	<b>267</b>	
<b>URBAN</b>	<b>356</b>	<b>62%</b>	<b>URBAN INCENDIARY</b>	<b>182</b>	<b>69%</b>
<b>SUBURBAN</b>	<b>215</b>	<b>38%</b>	<b>SUBURBAN INCENDIARY</b>	<b>85</b>	<b>31%</b>

<b>2012 TOTAL INVESTIGATIONS</b>	<b>619</b>		<b>TOTAL INCENDIARY</b>	<b>232</b>	
<b>URBAN</b>	<b>400</b>	<b>65%</b>	<b>URBAN INCENDIARY</b>	<b>172</b>	<b>74%</b>
<b>SUBURBAN</b>	<b>219</b>	<b>35%</b>	<b>SUBURBAN INCENDIARY</b>	<b>60</b>	<b>26%</b>

In early September the Arson Bureau moved from 810 Barret Avenue to 501 West Ashland Avenue, the old Engine 10 / Truck 8 quarters. The new area has provided offices, improved evidence processing and storage, more secured interrogation facilities and a professional conference room.

During the year, the total number of investigations decreased by eight percent while the incendiary incidents increased by fifteen percent over 2012.

Eight death investigations were conducted through the year which claimed eight lives, and one investigation was conducted after a fire was set in an attempt to conceal a homicide. Two of the fire death investigations were caused by careless smoking, two are undetermined, two were caused by electrical malfunctions, one incendiary, and one currently under investigation.

As Investigators worked the fire death investigations and the daily calls, focus remained in the Hikes Lane and Six Mile Lane areas where thirty six fires were set to various items including wreaths, phone books, trash containers, and bulletin board papers. These investigations are still on-going but this has had a significant impact on the number of incendiary incidents and the Bureau's overall clearance rate.

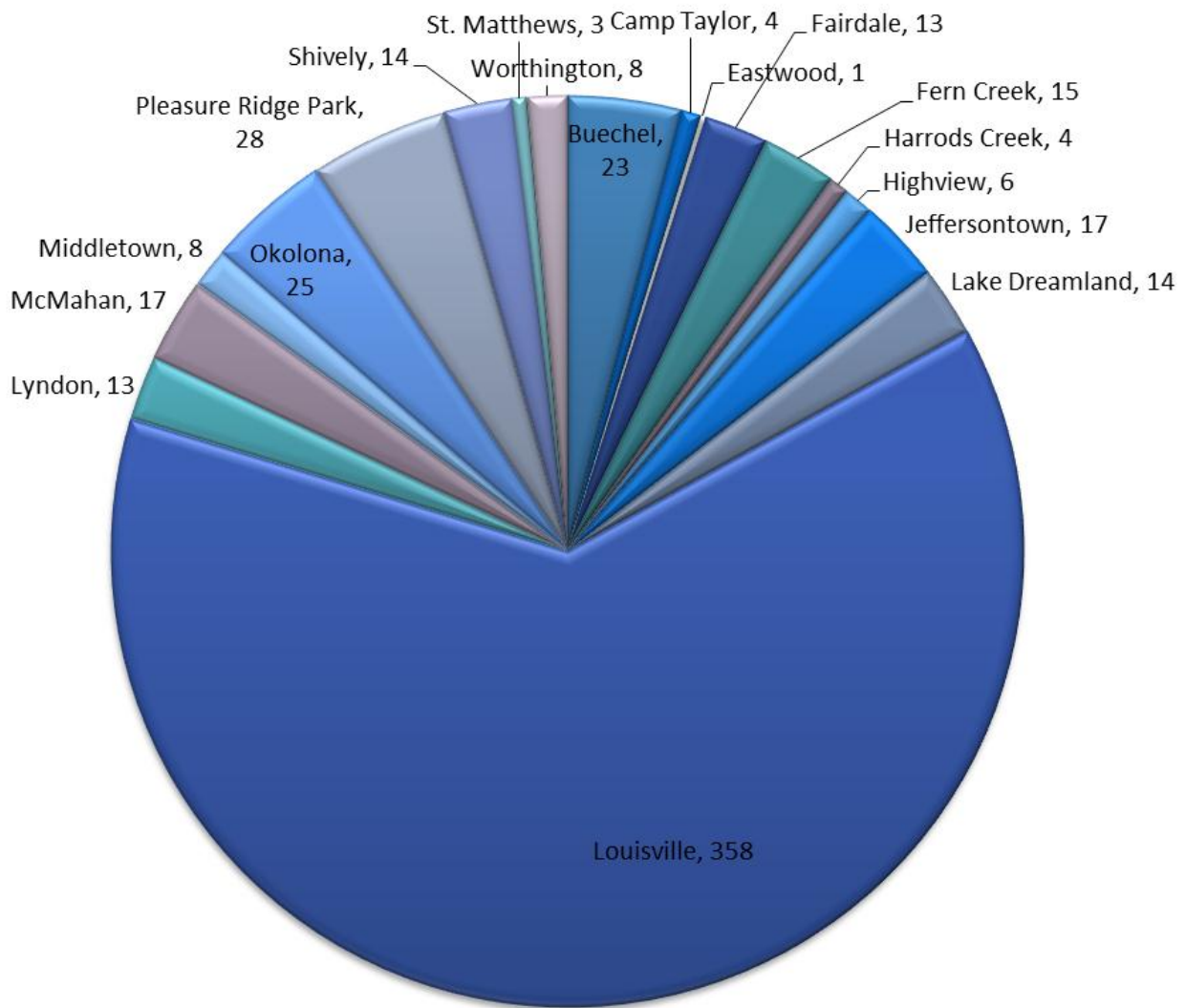


Metro Arson Bureau's New Office

This year was a very successful year in the administration of justice. One of the most high profile cases the Bureau has been involved in came to a successful conclusion in June. Susan Lukjan was found guilty by a Jefferson County Jury for setting fire to her business, Campbell's Gourmet Cottage in St. Matthews back in 2009. This case had national implications for the fire investigator.

Thru the exceptional work of each investigator, the conviction rate for incendiary fires closed after arrest was 92.16%.

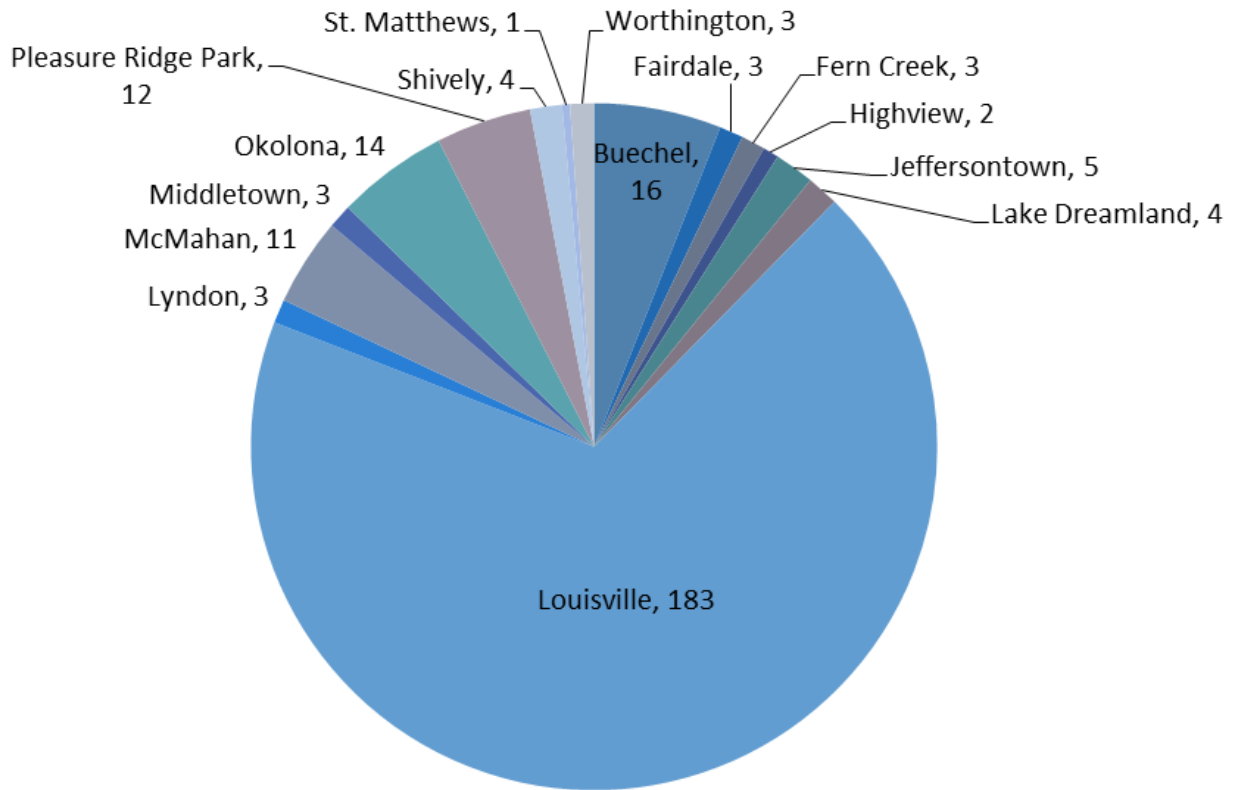
## 2013 Investigations





## 2013 Incendiary Investigations

*2013 Overall Clearance Rate 30%*



	INCIDENTS		CLEARANCE RATE
Single Occupancy Residence	83		28.91 %
Motor Vehicles	59		13.5 %
Non Vehicle/Non Structure	58		50.0 %
Other Residential	33		27.7 %
Other Commercial	11		9 %
Storage	10		30 %
Community/Public	7		71.42 %
Other Mobile Property	5		20.0 %

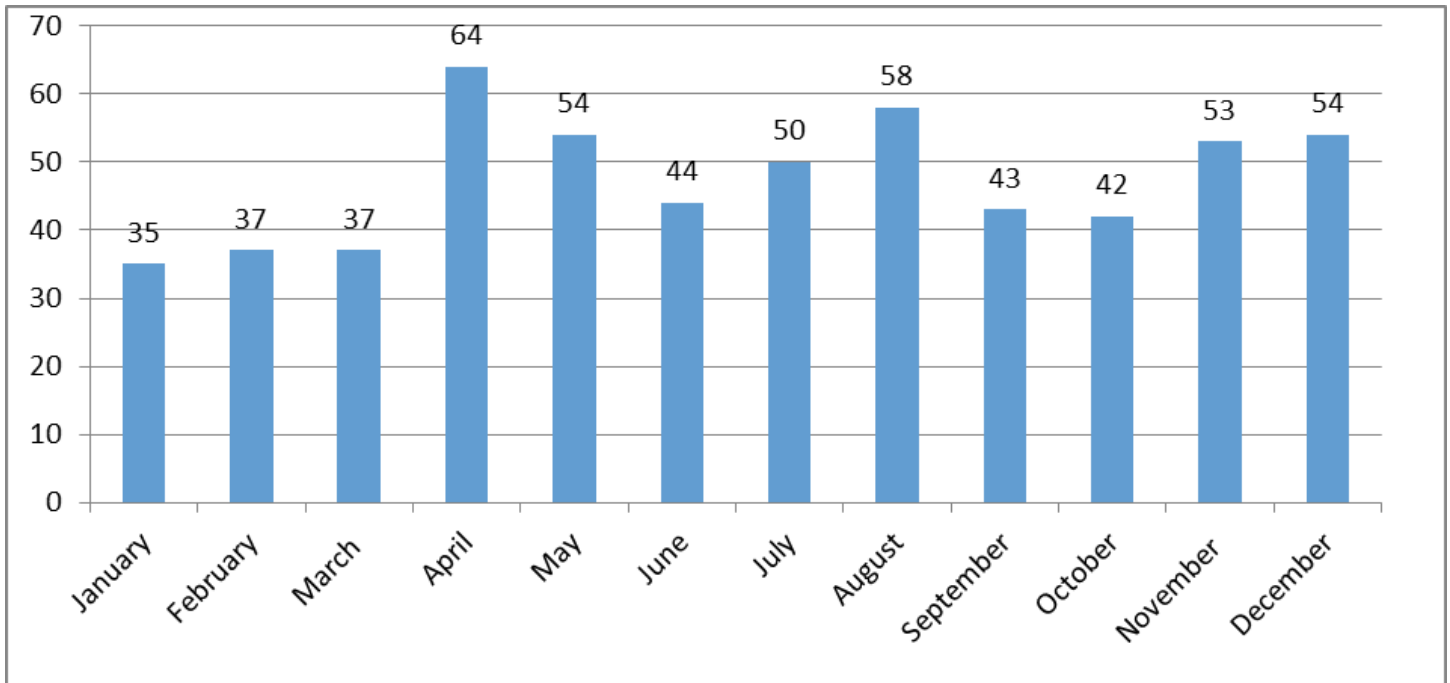
## Busiest Departments

	(Incendiary Investigations)	Case Clearance
Louisville	183	29.0 %
Buechel	16	31.3 %
Okolona	14	42.9 %
PRP	12	25.0 %
McMahan	11	18.2 %

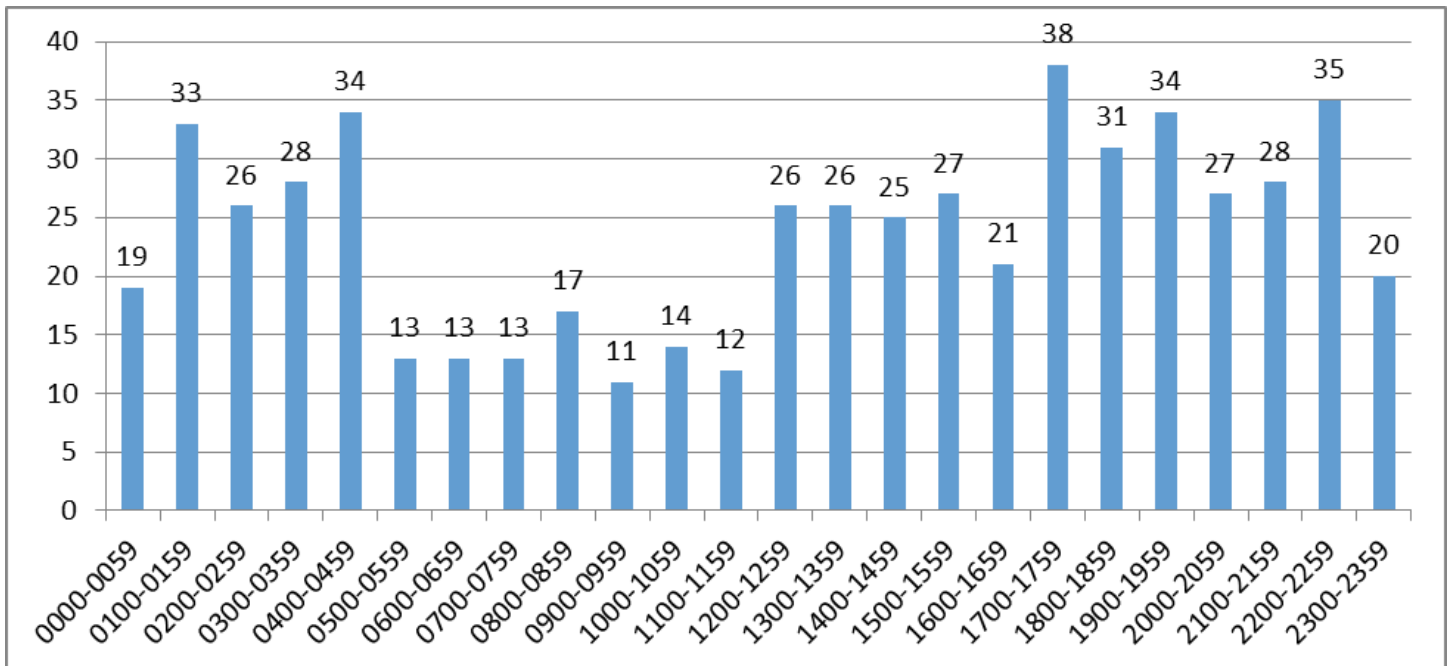
## Fractional Response Data

	(Minutes to arrival at scene)	Case Clearance
1-30	416	80.46 %
31-40	73	12.78 %
41-50	41	7.2 %
51-above	3	0.5 %

## 2013 Investigations by Month



## 2013 Incident Alarm In-Time



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## Administrative Information

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UNDETERMINED RATE	9.28 %
COURT APPEARANCES	237
ONGOING PROSECUTIONS	99
RESPONSE TIMES	21.21 Minutes
FIRE DEATH INCIDENTS	8 Incidents, 8 Victims (Louisville 5, Pleasure Ridge Park 2, Worthington 1)
NON-FIRE DEATH INVESTIGATIONS	2 (Louisville)
METH LAB INVESTIGATIONS	1
MALICIOUS FALSE INVESTIGATIONS	21 (15 Cleared)
OPEN INVESTIGATIONS	180
TOTAL ARRESTS	98
TOTAL COUNSELED AND RELEASED	40

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## Important Investigations

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**FEBRUARY:** On February 16<sup>th</sup> Investigators responded to 2103 West Oak Street on a fatal fire. One adult male died due to a fire that was caused by an electrical short in an extension cord that powered a space heater.

**MARCH:** Investigators conducted two investigations involving fatalities. The first fire occurred in the early morning hours of March 3<sup>rd</sup> at 1221 Cypress. This incident was determined to be a fire set in an attempt to cover up a murder. An adult female was murdered in the dwelling prior to the fire being set. The suspect was later found in Texas. The second fire death investigation occurred at 11402 Pleasant in PRP. One adult male died as a result of the injuries he sustained from the fire thought to be accidental which occurred during the refilling of a zippo style lighter.

**APRIL:** Two more fire death investigations were conducted this month. On April 1<sup>st</sup> Investigators responded to 5604 Fox Horn Circle where an adult female set herself on fire after hearing voices. She passed away several months later as a result of her injuries. The second fire occurred on April 13<sup>th</sup> where another adult female died as a result of a bedroom fire caused by an electrical short at 5000 Falkland Ave. During this month Investigators also worked several details regarding the NCAA Championship games.

**MAY:** This was the third month in a row where investigators worked two fire death investigations. The first fire occurred on May 24<sup>th</sup> at 1018 South 3<sup>rd</sup> Street where an adult male died as a result of a careless smoking fire where a shower curtain was ignited. The second fire occurred on May 31<sup>st</sup> at 1437 Morton Avenue. This fire originated on the back porch most and was believed to be accidental.

**JUNE:** Investigators responded to 114 S. 33<sup>rd</sup> Street on an investigation where unknown persons had murdered an individual and then set the structure on fire.

**JULY:** Two separate fires occurred causing extensive damage that was tied to fireworks. On July 5<sup>th</sup> a fire occurred at 8200 Candleworth Drive in Fairdale at Lassiter Elementary School. The fire involved a large amount of building materials which were ignited by unknown persons playing with fireworks. On July 6<sup>th</sup> at 1924 Cedar Street, the Nazarene Baptist Church was completely destroyed by a fire that was started with juveniles playing with fireworks. The total damage from both of these fires was one quarter of a million dollars.

**AUGUST:** An elderly female's night clothes were ignited while she was sitting on a toilet and was lighting a cigarette with a lighter at an assisted living facility at 8021 Christian Court. She received 90% 2nd and 3rd degree burns as the fire consisted only of the victim and her clothing.

**NOVEMBER:** On November 12<sup>th</sup>, a fire death investigation was conducted at 1568 South 9<sup>th</sup> Street where an adult female was found inside her bedroom. The cause of this incident is currently under investigation but not believed to be suspicious.

**DECEMBER:** Firefighters responded to 3808 River Park Drive on a vacant structure fire. During suppression operations, one firefighter fell from the area of a second floor window while trying to exit the structure. Thru extraordinary work, investigators were able to clear the incident after two 13 year old boys were arrested.



# NOTABLE BRIEFS

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## JANUARY

- The Division continued its message of fire prevention, property and life preservation by raising winter safety awareness, i.e. space heater safety, proper electric appliance use, etc. through local media (PIO), school and community programs (FPB CAPS).

## FEBRUARY

- The Division provided members to support operations during the Annual Polar Bear Plunge
- On the 13<sup>th</sup>, Chief Frederick and Mayor Fischer proclaimed the day Kevin Olguin Day and commissioned him as “Honorary Firefighter”; Kevin is a 9 year old diagnosed with Glioblastoma; a form a brain cancer. Kevin’s wish was to become a firefighter. That wish was granted thanks to the efforts and compassion displayed by Captain Mark LaMaster and Major Gary K. McCauley.
- The Division celebrated its 26<sup>th</sup> Annual Awards & Retirements Dinner Banquet at Louisville Slugger Field.
- The Division participated in the annual St. Patrick’s Day Parade.

## APRIL

- The Division members participated in Mayor Fischer 3rd Annual Give-a-Day-Week of Service by volunteering hundreds of man hours a “Quiet Room” at St. Peter’s United Church
- Metro Employee Charitable Campaign firehouse visits with representatives from Crusade for Children, Metro United Way, and Fund for the Arts and Community Health Charities were conducted Division wide.

## MAY

- The Division participated in the Pegasus Parade in support of the Derby Festival activities and other fund-raising activities such as the Battle of the Bounce.
- In the parade, the Division used various fire apparatus, including Engine 18 to transport the 2013 National Champions University of Louisville Men’s Basketball team.
- The Division successfully planned and provided fire prevention and protection operations throughout the all-encompassing Kentucky Derby Festival, including Thunder Over Louisville, Mini Marathon, Marathon, Oaks Day and the Kentucky Derby Race.
- The Division participated in the Flags for Vets Memorial ceremony which took place at the Great Lawn.

## JUNE

- The Division continued its public safety message by providing boater/body of water safety, how to cope with extreme warm temperatures, and summer season safety tips through local media.

## JULY

- The Division continued its public safety message by providing fireworks safety tips through local media.

## SEPTEMBER

- The Division observed the 12<sup>th</sup> Anniversary Tribute of the September 11, 2001 terrorist attack Division wide.
- The Division began the training Firefighter Recruit Class 182.

## OCTOBER

- The Division held its annual Fire Prevention Week Kick-Off on the 8<sup>th</sup>, where tribute was paid to fallen firefighters and free chili and fire prevention message was served at Jefferson Square Parks and on the 13<sup>th</sup> the Great Louisville Fire Drill was held at Iroquois Park.
- The Division celebrated the promotion of 20 of its members.
- The Division participated in Caufield's Halloween parade.

## NOVEMBER

- The Division participated in Supporting Heroes' Fallen Heroes Tribute at Jefferson Square.
- The Division participated in the "Winter Wonderland-Light-Up Louisville" parade.

## DECEMBER

- The Division continued its message of fire prevention, property and life preservation by raising winter safety awareness, i.e. space heater safety, proper electric appliance use; holiday decoration safety, etc. through local media (PIO), school and community programs (FPB CAPS).
- Throughout the month, the Division conducted its annual Toys for Tots toy collection campaign where all fire stations and bureaus serve as toy collection sites.

## MORE:

### Division Recognition from Outside Agencies

- Captain Thomas J. Sheehan was recognized as Firefighter of the Year by the National Chapter of the Sons of the American Revolution for his life-long dedication and service to the citizens of Louisville, and his commitment to public safety
- Division members were honored as Firefighters of the Year by the Blue Coats of Louisville and the American Legion Shawnee Post
- Blue Coats FFOTY: FF Keith Cox, FF Jamie Perry, FF Michael Glasser Capt. Matthew Gawarecki
- Shawnee Post FFOTY: Captain Steven Suratt

### Honor Guard & Bag Pipes

- Throughout the year, members of the Division's Color Guard and Bag Pipe players participate in neighborhood and regional parades, fire and law enforcement graduation ceremonies, fire station inaugural ceremonies, festivals, firefighter funerals and various other tribute-paying/civic activities as requested by local and regional public safety agencies.

### Charity Support/Contribution

- Throughout the year, Division members actively support many large and small charitable organizations locally and nationally by raising awareness to their given charity, hosting fund raising events and by directly contributing to them monetarily. Those organizations include: Crusade for Children, Metro United Way, Fund for the Arts, Community Health Charities, Muscular Dystrophy Association, Supporting Heroes, Service for Peace, Toys for Tots.

### **Fire Prevention/Public Safety Education & Services**

- Throughout the year the Division conducts fire prevention education at schools, community centers, health fairs, the Great Louisville Fire Drill during Fire Prevention Month, prior to the 4<sup>th</sup> of July holiday by hosting a Fireworks Safety campaign, and during the winter holiday season. The Division also provides Boater Safety Education during the boating season. The Division also reaches out to the Spanish speaking community to provide the afore mentioned services plus Spanish language interpretation when it is needed and CPR training throughout the entire community.

### **Public Event Participation**

- The division is an active participant in community advancement and celebration events such as neighborhood/heritage/holiday parades like Little League Opening Season, St. Patrick's Day, Kentucky Derby Pegasus Parade, Caufield's Halloween Parade, Veteran's Day, Light Up Louisville, Fallen Heroes Vigil, etc.

**YEAR AFTER YEAR SINCE 1858, THE DIVISION PROUDLY STRIVES TO FULFILL ITS COMMITMENT TO THE LOUISVILLE COMMUNITY OF LIFE AND PROPERTY PRESERVATION AND COMMUNITY SERVICE.**

# 2013 PROMOTIONS



## COMMITMENT



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## Fire Suppression

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### Major

Patrick M. Dalrymple

Mark C. LaMaster

Zion J. Meiman

### Captain

Michael R. Bryan

Jeffery E. Deem

Katherine V. Clemmer

Eric J. Webber

Paul R. Cooper

Michael A. Wimberg

### Sergeant

Christopher S. Bailey

Andrew H. Hogan

Glenn W. Belew

Timothy R. Karrer

Anthony Bowman

Jacob E. Sedlock

Michael J. Davenport

Michael R. Shelton

Robert M. Davis

Larry J. Smith

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## Fire Prevention

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### Captain

Thomas J. Sheehan

# GLOSSARY

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**Fire Company** – a group of individuals that work as a single unit, assigned to a fire apparatus, responsible for responding to incidents for service to the community. The Division has (27) fire companies on duty at all times. Within every fire company there is a Fire Company Commander (supervisor), Fire Apparatus Operator (driver/operator) and two firefighters.

**Fire District** – a group of fire companies located within a geographical area of the Urban Service District. There are four fire districts in the Louisville Division of Fire. Three of the four districts have (7) fire companies assigned and one district has (6) fire companies assigned. Each district is managed by a Fire District Chief.

**Platoon** – a way of determining shifts of firefighters. The Division is broken into (3) platoons. Each platoon is on duty a full (24) hours and then has (48) hours off duty. The Division begins and ends all platoon shifts at 8:00AM each morning. Members assigned to the platoon system are considered (56) hour employees while those not on the platoon system are (40) hour employees.

**Staffing** – the number of members assigned to a fire company. The collective bargaining agreement requires a minimum of (4) person staffing for each fire company. Two special unit companies are required by CBA to have minimum staffing of (5) members on each company.

**NFPA** – National Fire Protection Association, the organization that develops consensus standards for the United States and Canadian Fire Services. Next to federal, state and local laws, NFPA standards dictate how the Division of Fire operates on a day to day basis. All aspects of the Fire Service are directed by NFPA; what determines a medical disability to the color of a seatbelt in the fire truck

**Bureaus** – individual sections of the department that have specific programs and employees assigned such as fire prevention, arson investigation, automotive service, training, safety, and administration.

**Fire Apparatus** – fire trucks that carry hose, pump water, have hydraulic aerial ladders, or a combination of all three, on which a Fire Company responds to emergency incidents to provide fire suppression, rescue, and medical treatment.

**Incidents** – a call for service to which the Division of Fire responds. An incident can be an emergency or non-emergency. No matter the number of assets that respond to an incident, it is only counted as one occurrence.

**Runs** - a numerical count of the incidents to which a single fire company responds. An incident that requires (5) fire companies is reported as (5) runs. The Division responds to approximate 32,000 incidents per year. In that same year there are approximate 40,000 responses called runs.

**Fire Truck or Truck Company** – fire apparatus and personnel equipped with hydraulic aerial ladders, hydraulic rescue tools and medical equipment – during fire suppression operations engages in search and rescue, utility stabilization, salvage and overhaul – also specializes in motor vehicle rescue and other types of specialized rescue – responds to all types of medical emergencies.

**Fire Engine or Engine Company** – fire apparatus and personnel equipped with fire pumps, hoses, rescue tools and medical equipment – during fire suppression operations engages primarily in fire extinguishment – also participates in search and rescue, salvage and overhaul – also responds to all types of medical emergencies.

**GPM** – number of gallons per minute flowing from a nozzle or fire hydrant.

**Hand Line** – fire hose and nozzle system comprised of multiple 50' hose sections and a nozzle, flowing 40-250 GPM.

**Master Stream** – fire suppression appliance, engine-mounted and dismounted flowing 250-1,250 GPM.

Elevated Master Stream – fire suppression appliance mounted on an aerial device flowing 500-1,250 GPM.